## BENGAL CENTRAL RAILWAY.

*Approximate Return of Traffic for week ended 22nd December* 1888, *on* 125 *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 24,160 | 9,460 0 0 | 40,900 0 | 2,760 0 0 | 60 0 0 | 12,280 0 0 | 3,813 | 1,359 | 5,672 |
| Or per mile of railway ... | 193 | 76 0 0 | 327 0 | 22 0 0 | ..... | 98 0 0 | ..... | ..... | ..... |
| For previous 24 weeks of half-year ... ... ... ... | 627,705 | 2,10,306 0 0 | 13,70,154 0 | 1,38,325 0 0 | 2,023 0 0 | *3,50,654 0 0 | 89,010 | 47,123 | 136,133 |
| Total for 25 weeks ... | 651,865 | 2,19,766 0 0 | 14,11,054 0 | 1,41,085 0 0 | 2,083 0 0 | 3,62,934 0 0 | 92,823 | 48,982 | 141,805 |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 21,993 | 9,627 0 0 | 42,600 0 | 2,506 0 0 | 26 0 0 | 12,159 0 0 | 3,621 | 1,589 | 5,210 |
| Per mile of railway corresponding period of previous year ... | 176 | 77 0 0 | 341 0 | 20 0 0 | ..... | 97 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 621,578 | 2,07,475 0 0 | 11,01,870 0 | 1,05,187 0 0 | 2,769 0 0 | 3,15,431 0 0 | 92,823 | 42,112 | 134,940 |

* Audited up to 3rd November 1888.

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Bengal Central Railway.*

| Receipts for week ending 24th December 1887. | | | Receipts for week ending 22nd December 1888. | | | Total receipts from 1st April 1887 to 24th December 1887. | | | Total receipts from 1st April 1888 to 22nd December 1888. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 25 | 12,159 | 97 | 125 | 12,280 | 98 | 125 | 4,91,417 | 163 | 125 | *5,24,735 | 110 | 33,318 | ..... |

* Audited up to week ending 3rd November 1888.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | Rs. |
|---|---|
| Approximate earnings for week ending 22nd December 1888 ... ... | 9,046 |
| Corresponding week last year ... ... ... ... ... | 8,656 |
| Increase ... ... ... ... ... ... | 390 |
| Receipts from 1st July to 22nd December 1888 ... ... ... | 2,89,654 |
| From 1st July to 24th December 1887 ... ... ... ... | 2,47,566 |
| Increase ... ... ... ... ... ... | 42,088 |
| | Miles. |
| Miles open week ending 22nd December 1888 ... ... ... | 51 |
| Corresponding week last year ... ... ... ... | 51 |
| | Rs. A. P. |
| Receipts per mile open week ending 22nd December 1888 ... ... | 177 6 0 |
| Corresponding week last year ... ... ... ... ... | 169 11 6 |
| Increase ... ... ... ... ... ... | 7 10 6 |

Printed and published by Edwin Morris Lewis, at the Printing Office of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, 9th January 1889.

REGISTERED No. 29.

No. 3 of 1889.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, JANUARY 16, 1889.

## OFFICIAL PAPERS.

*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

## CONTENTS.


| | Page. |
|---|---|
| WITHDRAWAL of the Inland Emigration Act from the Districts of Chittagong and the Chittagong Hill Tracts ... | 77 |
| Resolution on the report on Public Instruction in Bengal for the year 1887-88 ... ... ... ... ... ... | 86 |
| Meteorological Summary of the Monsoon period of 1888 ... | 90 |
| Rainfall, Weather, and State and Prospects of the Crops ... | 111 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 6th to 12th January 1889 ... | 113 |
| Meteorological Report of the Province of Bengal for the week ending Friday the 11th of January 1889 ... | 114 |
| Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 11th of January 1889 ... ... ... | 116 |
| Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 6th to 12th January 1889 ... ... ... ... ... ... ... | 120 |
| Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of October 1888 ... ... ... ... ... ... ... | 121 |
| Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 22nd and 29th December 1888 ... ... ... ... ... ... ... ... | 124 |
| ORISSA Circle—Taldandah Canal System for the month of November 1888 ... ... ... ... ... ... ... | 130 |
| South-Western Circle—Orissa Coast Canal System during the month of November 1888 ... ... ... ... ... | 142 |
| South-Western Circle—Calcutta and Eastern Canals during the month of November 1888 ... ... ... ... | 143 |
| South-Western Circle—Nudden Rivers during the month of November 1888 ... ... ... ... ... ... | 148 |
| Areas leased for Irrigation up to the end of November 1888 | 149 |
| Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee, and Brahmapootra for the month of December 1888 ... ... | 150 |
| Circular and Eastern Canals for the week ending 12th January 1889 ... ... ... ... ... ... ... | 151 |
| Eastern Bengal State Railway for the month of October 1888 ... ... ... ... ... ... ... ... ... | 152 |
| Bengal Central Railway for the month of October 1888 ... | 153 |
| Weekly Return of Traffic Receipts on Indian Railways ... | 154 |


## WITHDRAWAL OF THE INLAND EMIGRATION ACT FROM THE DISTRICTS OF CHITTAGONG AND THE CHITTAGONG HILL TRACTS.

GENERAL DEPARTMENT—INLAND EMIGRATION.

*Calcutta, the 8th January* 1889.

RESOLUTION.

READ—

The following correspondence on the subject of the proposed withdrawal of the districts of Chittagong and the Chittagong Hill Tracts from the operation of the Inland Emigration Act No. I of 1882 :—

Letter from the Commissioner of the Chittagong Division, No. 767GM—IX-5, dated 13th August 1888.

Letter to the Superintendent and Remembrancer of Legal Affairs, No. 95T—G, dated 18th October 1888.

Letter from the Superintendent and Remembrancer of Legal Affairs, dated 31st October 1888.

Letter from the Superintendent and Remembrancer of Legal Affairs, No. 1098, dated 9th November 1888.

Letter to the Government of India, Revenue and Agricultural Department, No. 186, dated 3rd December 1888.

Letter from the Government of India, Revenue and Agricultural Department No. 234—26-24E., dated 21st December 1888.

The special procedure provided by Act I of 1882 for enforcing labour contracts in certain specified areas is in force, as far as the Lower Provinces are concerned, only in the districts of Chittagong and the Chittagong Hill Tracts. The Commissioner of Chittagong has frequently urged their withdrawal as not required in his division; and in reviewing the departmental report for the year 1885, Sir Rivers Thompson so far accepted this view as to express a hope that the time was approaching when, considering the falling off in the number of labourers enrolled under the Act, it would be possible to adopt the course recommended. As the results of the following year showed a further decline, Sir Steuart Bayley called for a special report on the subject, which the Commissioner has since submitted. In this communication it is stated that such planters as had been consulted are unanimous in considering that the Act is not required, the ordinary law being sufficient to guard the interests both of employers and employed. This is the view of the District Officers also, and the Commissioner gives his own opinion as follows:—

"It is not adapted to a district where labour is as plentiful as it is here, and where there is, now at least, no objection to taking work on a garden. So far as I have seen, the Act here is entirely against the interests of the cooly and of the better class of planters, while it is favourable to the worst class of planters only. Happily this last class is so small that it may be said to be non-existent. I strongly recommend, therefore, that under the provisions of section 4, the Inland Emigration Act be withdrawn entirely from the districts of Chittagong and the Chittagong Hill Tracts."

2. In deciding whether the recommendation thus forcibly expressed by the local officers should be accepted, the Lieutenant-Governor has to give due weight to the consideration that the Government of India has repeatedly indicated for adoption the policy of dispensing with special legislation on the subject of labour contracts wherever it is possible to do so, leaving the matter to the operation of the ordinary law of the country. "Such legislation," the Secretary of State observed in a despatch No. 102, dated 4th November 1886, "should be considered as temporary only, and clearly ought not to be maintained longer than is absolutely necessary for the protection of both the classes concerned." Viewed from this standpoint, it seems clear that the retention of the system in the two districts referred to scarcely admits of defence. In the Hill Tracts the Act cannot be said to be necessary, as it is not now resorted to even in the case of a single labourer. In Chittagong the number of labourers placed under contract according to the provisions of the Act was never large, and has rapidly decreased in recent years: it was 915 in 1884 and had fallen to 433 in 1887, with the prospect of a further decrease in the immediate future. There is nothing in the condition of the tea industry in Chittagong to suggest that it should be placed under an exceptional system, different from that prevailing in the rest of the province, and particularly in the districts of Darjeeling and Julpigoree, which are now the chief seats of the cultivation of the tea plant. Chittagong is more densely populated than other tea districts in Bengal, local labour is more generally used, and the importation of coolies is resorted to only on a very minute scale. The maintenance of the statutory contract system cannot, therefore, be looked upon as really a necessity in that district, and there is even reason to believe that, so far as it has any effect at all, it is rather a hindrance than an aid to the progress of tea cultivation. It certainly has not effected the object which the late Commissioner of Chittagong had in view when recommending its introduction in the year 1877—that of modifying the system of task work in the interest of the labourer.

3. The Inland Emigration Act leaves to the Local Government, with the previous consent of the Government of India, the power of altering from time to time the area within which the law is in force. The Lieutenant-Governor considers that this power should now be exercised, and accordingly issues the appended notification with the approval of the Governor-General in Council. The Superintendent and Remembrancer of Legal Affairs to Government has advised that this measure will not affect existing contracts otherwise than by putting an end to the exceptional procedure by which they are at present enforced, leaving them in operation as ordinary engagements within the cognizance of the civil courts.

ORDER—Ordered that a copy of this Resolution and of the notification be forwarded to the Commissioner of the Chittagong Division, with reference to the correspondence ending with his letter No. $\frac{767 G.M.}{IX-5}$, dated 13th August 1888, for information, and for favour of communication to the Inspectors of Labourers and Managers of tea-gardens.

Ordered also, that a copy of the Resolution and of the notification be forwarded to the Superintendent of Emigration, Calcutta, for information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

*Secretary to the Government of Bengal.*

---

Dated Calcutta, the 8th January 1889.

NOTIFICATION—By the Government of Bengal, General Department.

UNDER section 4 of the Inland Emigration Act I of 1882, the Lieutenant-Governor of Bengal, with the previous sanction of the Governor-General in Council, is pleased to declare that, on and from the 1st April 1889, the labour-districts of Chittagong and the Chittagong Hill Tracts shall cease to be subject to the provisions of the said Act by which they are declared to be labour-districts, and to all the provisions of the Act applicable only to labour-districts.

---

# RESOLUTION ON THE REPORT ON PUBLIC INSTRUCTION IN BENGAL FOR THE YEAR 1887-88.

GENERAL DEPARTMENT—EDUCATION.

*Calcutta, the 11th January 1889.*

RESOLUTION.

READ—

The General Report on Public Instruction in Bengal for 1887-88.

Delay in submitting the report.

This report is exceptionally complete and clear, but the Lieutenant-Governor regrets that it is necessary in reviewing it to notice in the first instance the delay which has occurred in its preparation. The date fixed by Government as the latest for the submission of the annual reports of the Director of Public Instruction was originally the 1st of August, and Sir Alfred Croft proposed during the year that it should be postponed to the 1st of October. The present report was not, however, received until the 17th December, and no explanation has been given of the great delay thus indicated. The Director's attention will be drawn again to this important subject, and he will be requested to make arrangements which will secure the submission of the next annual report before the 1st October, 1889, or on that day at latest.

Controlling agencies.

2. The most important event in the educational history of the year under this head was the transfer of the control of primary education from District Magistrates, acting under the advice of Local Committees, to District Boards. On this subject the Director observes—

As to the general character of the work done by the District and Local Boards, it is too early yet to form any decided opinion. It was natural to suppose that at the outset they would take no very strong or independent line, but simply conform to the traditions and practices of the Department to whose duties they succeeded. It appears, however, that the Boards have not followed a uniform policy in educational matters. The Assistant Inspector of the Bhagulpore Division writes of them:—"During the short time they have been at work, there has been not a single instance of any friction between them and the Department; the suggestions and recommendations of the inspecting officers have been always duly considered and adopted, and the Inspector of Schools has been often consulted in important matters." Still, some inconvenience has been felt from delay in the despatch of business by the Boards. In the neighbouring division of Patna a less confident note is heard. In the districts of Patna and Sarun, there have been no particular changes, and the working of the Board has been satisfactory. Of Gya it is said that "the Board has done nothing in connection with education that would look like its own work." But of Shahabad—"it is a fact that the Shahabad District Board has not worked smoothly with the Department."

In the few differences that I have had with District Boards, I have found that on a candid representation of the facts the causes of difference have in every case disappeared. When more serious difficulties have arisen, and some form of arrangement or compromise was desirable, it has been readily accepted When the Boards were, one after another, coming into existence and assuming charge of their duties, I sometimes found it necessary at the outset to trench upon the province of the Boards, and to take action which I had ceased to have the right to take, in order to avoid obstructive delay and to hand over the business of administration as a going concern in working order. In no case has a Board finally refused to confirm the action taken. On a general review of the causes of friction that have arisen here and there, I should be disposed to say that while Boards are grateful for advice and suggestions when asked for, and even when not asked for if given with an obviously helpful purpose, they resent interference with the duties that have been entrusted to them. In saying this, I do not wish to utter one word of complaint against any departmental officer. It is only natural that officers who have hitherto had the work of education in their own hands should

still take a keen interest in its progress, and should seek to avert any lapse from the standard to which they have been accustomed, even though such lapses are inevitable incidents of a change of system. But it is no less necessary for departmental officers to remember that District Boards have rights secured to them under the Act, and that any attempt to limit those rights in the interests of education will certainly be resisted. It may be assumed that officers of the Department know for the present a good deal more about school management than a District Board knows. They can best utilise their knowledge in the interests of education by adopting towards the Board such an attitude of friendly vigilance as will make it clear that, while always ready to render help when help is desired or is necessary, it is equally their wish that the Board should learn how to do for itself, and to do well, the work which has been entrusted to its hands. I am glad to be able to state that this is the attitude which officers of the Department have almost uniformly taken up.

The view taken by the Director appears very judicious, and its expressions calculated to conduce to the harmonious working of the department. It may be added that some of the officers whose views are quoted seem to have an erroneous conception of the system which has been superseded by the management of Boards. Primary education since its introduction has never been placed under the control of departmental Inspectors, but of Magistrates and local Committees. In one of the districts referred to as administered by a Board in an independent spirit, it is within the Lieutenant-Governor's knowledge that this is nothing new, the former Education Committee having shewn even more decided indications of a determination to promote the cause of popular education in its own way.

3. Two vacancies which occurred during the year in the superior inspecting staff were not filled up, the retrenchment being made in accordance with a recommendation of the Finance Committee, provisionally adopted by this Government, that the number of such officers should be reduced to nine, so as to correspond with that of Divisional Commissioners. The officers whose work has in this manner been increased by enlarging their jurisdiction report unfavourably of the arrangement, as was perhaps to have been expected. But, apart from obvious considerations of economy, it seems desirable to make the jurisdiction of Educational officers coincide with the administrative divisions of the country, and nothing has occurred during the year to alter the Lieutenant-Governor's opinion as to the expediency of the retrenchment proposed. The Director has very properly noticed the degree of activity shewn by different inspecting officers, commending those who have done best, and dealing in different ways with those who have failed Such disciplinary action is particularly necessary, since the travelling allowance drawn for journeys of less than 20 miles has been curtailed on financial grounds, and the Director plainly indicates that tours have often been conducted inefficiently in order to secure the higher rate now given in the case of long journeys, or, as it is otherwise put, to avoid loss. The amendment of the rule which has been the occasion of this difficulty is now under consideration, a reference having been made to the Government of India; but, pending the issue of orders on this subject, the defect noticed by the Director may be remedied by calling upon Sub-Inspectors to submit beforehand programmes of their tours, which will then be regulated by their immediate superiors in the best interests of the schools to be visited. The Director will be requested to report upon the above suggestion.

University Education.

4. The history of higher instruction during the year is marked by three striking features—the foundation of new colleges, the increased attendance of pupils, and the development of private enterprise, which at first supplemented, and now rivals the efforts of the State in promoting this form of education. The new colleges are four in number—the Bangabasi, founded by Mr. G. C. Bose, M.A., F.C.S., a returned Agricultural Scholar, which had 53 students at the close of the year; the Roberts' Memorial College, with 3 students only; the Tej Narain Jubilee College at Bhagulpore, with 17 students; and the collegiate classes added by the late Baboo Joy Kissen Mookerjea to the Utterpara School, with 29 students. All these are private institutions, founded and kept up without direct aid from the State, and their establishment raises the number of

colleges in Bengal to 33, of which only one-third are maintained by Government. The increase in the attendance is shown in the following statement:—

| Colleges—General. | Number on the rolls at the end of the year. | | | | |
|---|---|---|---|---|---|
| | 1884. | 1885. | 1886. | 1887. | 1888. |
| **Government—** | | | | | |
| *First-grade Colleges.* | | | | | |
| Presidency College ... ... ... ... | 342 | 204 | 180 | 258 | 333 |
| Hooghly „ ... ... ... ... | 130 | 141 | 143 | 104 | 156 |
| Dacca „ ... ... ... ... | 246 | 149 | 131 | 193 | 250 |
| Krishnagar „ ... ... ... ... | 53 | 43 | 55 | 51 | 70 |
| Patna „ ... ... ... ... | 178 | 774 | 204 | 189 | 270 |
| Ravenshaw „ Cuttack ... ... | 32 | 29 | 38 | 52 | 60 |
| Rajshahye „ ... ... ... ... | 81 | 57 | 44 | 78 | 110 |
| Bethune School (College classes) ... ... | 5 | 6 | 5 | 4 | 6 |
| *Second-grade Colleges.* | | | | | |
| Sanskrit College ... ... ... ... | 56 | 52 | 48 | 54 | 60 |
| Calcutta Madrassa ... ... ... ... | 20 | 15 | 20 | 15 | 23 |
| Chittagong College ... ... ... ... | 22 | 22 | 26 | 39 | 45 |
| Total ... | 1,165 | 892 | 894 | 1,037 | 1,383 |
| **Municipal—** | | | | | |
| Midnapore College ... ... ... | 19 | 23 | 21 | 24 | 42 |
| **Aided—** | | | | | |
| General Assembly's College, Calcutta ... | 165 | 274 | 304 | 342 | 415 |
| Free Church „ „ ... | 272 | 289 | 273 | 202 | 203 |
| St. Xavier's „ „ ... | 170 | 198 | 206 | 160 | 189 |
| London Mission „ Bhowanipore ... | 59 | 70 | 64 | 61 | 83 |
| Doveton „ Calcutta ... | 47 | 46 | 25 | 16 | 16 |
| St. Paul's School, Darjeeling (College classes) | ... | ..... | 3 | 5 | 5 |
| Narail Victoria College ... ... ... | ..... | ..... | ..... | 9 | 22 |
| Uttarpara College ... ... ... ... | ..... | ..... | ..... | ..... | 29 |
| Total ... | 713 | 877 | 875 | 795 | 962 |
| **Unaided—** | | | | | |
| Metropolitan Institution ... ... ... | 500 | 506 | 556 | 590 | 837 |
| City College ... ... ... | 175 | 185 | 174 | 232 | 269 |
| La Martiniére „ Calcutta ... | 26 | 4 | 4 | 5 | 6 |
| Albert „ ... ... ... | 35 | 34 | 37 | 55 | 111 |
| Ripon „ ... ... ... | 65 | 42 | 149 | 188 | 274 |
| Maharajah's „ Burdwan ... | 101 | 97 | 142 | 136 | 223 |
| Jagannath „ Dacca ... | ..... | 48 | 112 | 129 | 245 |
| Berhampore „ ... ... ... | 27 | 31 | 34 | 24 | 54 |
| Bishop's „ Calcutta ... | ..... | ..... | ..... | ..... | 10 |
| Tej Narayan Jubilee „ Bhagulpore ... | ..... | ..... | ..... | ..... | 17 |
| Bangabasi „ ... ... ... | ..... | ..... | ..... | ..... | 53 |
| Roberts' Memorial „ Calcutta ... | ..... | ..... | ..... | ..... | 3 |
| Doveton Institution for Young Ladies (College classes). | ..... | ..... | ..... | ..... | 5 |
| Total ... | 929 | 987 | 1,2[illegible]8 | 1,359 | 2,107 |
| Grand Total ... | 2,826 | 2,779 | 2,9[illegible]8 | 3,215 | 4,494 |

Some annual addition to the number of students is to be expected as the natural result of the gradual progress of the educated classes in Bengal. The fact that the increase was unusually large this year is, as the Director remarks, explained by the results of the Entrance examination of 1887, at which 2,409 competitors were successful, or 69 per cent. of the candidates, against 913, or 29 per cent. in the previous year; and it is understood that this success was itself due to an alteration in the system of examination designed to facilitate admission to the University, the number of marks required for success being reduced from 33 to 30 per cent. in English, and from 33 to 25 per cent. in the second language and mathematics, while the aggregate minimum of 33 per cent. was not insisted on. The development of private enterprise, referred to above, as the third feature of college administration during the year, is illustrated by the fact that the increase has been greatest in the unaided colleges, both

absolutely and also in proportion to their previous attendance. With the figures showing the numerical strength of the several classes of institutions, the following statement should be considered, as it indicates their efficiency, ascertained by the only test readily applicable, that of success at public examinations—

| Class of College. | Number of students. | Number of students passed at examinations in 1887-88. | | | | |
|---|---|---|---|---|---|---|
| | | F. A. | F. A. Scholarship. | B. A. | B. A. Honours. | M. A. |
| State ... .. | 1,383 | 183 | 28 | 68 | 43 | 27 |
| Private ... ... | 3,111 | 287 | 23 | 152 | 42 | 13 |

It will be seen that the Government colleges, with reference to the number of their pupils, obtained more than their share of degrees of all kinds, and that the proportion in their favour was larger as the examinations progressed in difficulty. This is most marked in the M. A. course, and is there entirely due to the superior instruction given in the Presidency College, a most useful and necessary institution, which maintains by its example, as well as by direct support, the standard of education in the province. The Director's observations on this subject are in entire accordance with the views entertained by Government. He writes: "The Presidency College, with its high fee of Rs. 12 a month, has nearly doubled its numbers of two years back; and indeed in July, 1888, four months after the close of the year, the number on its rolls exceeded 500, a greater strength than it has ever before known. The demands made by the various courses of the University upon a limited educational staff have much increased of late years; and if, in accordance with the present policy, the strength of the Presidency College professoriate be maintained at such a level as to meet all requirements, the foregoing figures show that students will flock to its classrooms in such numbers as to more than repay the additional cost involved. The Presidency College must maintain its position among the colleges of Bengal as that in which the best and most varied education is given, realising as far as possible the idea of a 'teaching University.' That end must be secured even though, in order to attain it, we have to weaken the staff of some of the less important Government colleges in the province. Moreover, the rapid up-springing of private colleges throughout Bengal affords a clear proof that collegiate education to a moderate standard no longer demands the sustaining arm of Government as the necessary condition of its existence; and the policy to which I have adverted will render the gradual transition from Government control to private management a natural and easy process of development." The Presidency College is also the principal institution in which scientific knowledge is fostered, a very important consideration, as it appears that the science course is losing its popularity, and that higher education in Bengal is taking a character too exclusively literary. It has long been the policy of Government to give a practical bent to instruction, and yet, whether from the effect of the system on which University examinations are conducted, or owing to the predilections of the students themselves, the actual tendency is in the contrary direction. It is stated that of 51 senior scholars elected in 1888, only 21 chose the science course, which in former years was adopted by the great majority, and only 78 candidates passed by that standard, against 245 by the literary course. Even in the minor Government Colleges, where until lately the science course only was taught, it is now to a great extent superseded by the more popular form of instruction. The Krishnager Municipality was asked during the year to take over the Government College at that station, with a grant-in-aid, and the offer was declined. The Lieutenant-Governor can hardly view with regret the delay which has occurred in giving full effect to the policy recommended by the Education Commission, that of the gradual and cautious withdrawal of the State from the direct management of the minor colleges, as private institutions become year by year more equal to the task of conducting collegiate instruction. It is, however, well that those interested in higher education should understand that the policy in question has been accepted, and that the work of carrying it out, of which a beginning has been made in the case of the Berhampore and Midnapore Colleges, will eventually be completed.

Secondary Education.

5. The progress of secondary education during the year, as indicated by the multiplication of schools and the increased attendance of pupils, has been substantial and satisfactory, though it has not been as great as that made in collegiate instructions.

The following statement defines its extent :—

| Class of Schools. | 1886-87. | | 1887-88. | |
|---|---|---|---|---|
| | Schools. | Pupils. | Schools. | Pupils. |
| High English ... ... | 272 | 61,227 | 292 | 67,430 |
| Middle „ ... ... | 718 | 51,134 | 745 | 54,651 |
| „ Vernacular ... ... | 1,157 | 64,478 | 1,189 | 67,022 |
| Total ... | 2,147 | 176,839 | 2,226 | 189,103 |

The expenditure of Government under this head was Rs 5,17,235 in 1886-87, and increased in 1887-88 by the sum of Rs. 16,057. The Director notices that applications for new grants have been accumulating for the last two or three years, and observes that it is much to be wished that Government were in a position to afford more liberal aid. This is doubtless desirable, but the fulfilment of the wish is very improbable, considering not only existing financial conditions, but also the more urgent claims of primary and technical education. Under the circumstances, it is necessary to draw attention to the rule on the subject of grants-in-aid, quoted in the margin, which was framed to prevent existing grants from becoming permanent, and so preventing the concession of new grants in rising localities. It is not to be supposed that Government will be able to maintain all old grants-in-aid indefinitely, and at the same time to make new allowances from year to year.

Grants will be sanctioned ordinarily for a term of three years; but the Inspector may at any time during its currency recommend the revision of any grant. A grant should ordinarily be reduced on renewal, when this can be done without serious loss of efficiency. In this way money will, from time to time, be set free, and the Department will be able to aid new schools even though the grant-in-aid allotment remains stationary. Notice of any proposed reduction shall in all cases be given to the managers, who shall be allowed an opportunity of stating any objection that they may have to the reduction.

6 It is chiefly in connection with schools of the secondary class that the question of moral training and the maintenance of due discipline occurs. Under this head the Director observes—

"The question of school discipline continues to occupy the attention of the higher officers of the Department, and the subject has been discussed at length in a report recently submitted to Government. A school mainly dependent for support on the fees paid by its pupils is at times compelled to tolerate breaches of discipline which a well-endowed institution can punish without fear. In Bengal the number of educational institutions of really independent position is by no means large. The admittedly superior discipline of a Government or of a missionary school is justly attributed to its solvency."

By way of diminishing the evil noticed, he suggests that the Calcutta University should refuse to recognise any school until it has been two years in existence, and until the managers have supplied full particulars of the establishment and accommodation to be provided. Such a measure might do some small good; but as the only effect of the non-recognition of a school by the University is that its candidates at the Entrance Examination are entered as private students, no great result can be expected The Lieutenant Governor will be glad to receive in future reports a fuller account of the discipline and moral training enforced in public schools. The importance of the subject is undeniable, but, in the absence of provision for periodical notice, it may frequently be overlooked

Primary education.

7. There has also been some slight progress in the department of primary education, the number of schools having increased from 48,483 in 1886-87 to 48,621 in 1887-88, the number of pupils from 1,080,085 to 1,103,422; but here the gain in numbers is comparatively small, and does not compensate for a loss which occurred in 1885-86. Practically, primary education in Bengal has reached a stationary state, and such variations as occur from year to year in the numbers are due rather to alterations in the system of registration than to any real advance or retrogression. The Provincial Government has not in recent years been able to make any increase in the assignment under this head, and there is not, as in the case of English education, a spontaneous tendency to the spread of elementary instruction, irrespective of Government assistance, beyond the classes which it at present reaches. With regard to the point which has hitherto been attained

in the education of the people generally, the Director of Public Instruction writes—

"The population of Bengal, excluding Cooch Behar, Hill Tipperah, and the Tributary States of Chota Nagpore, of which the schools are not included in our returns, amounted by the last census to 68,160,598, of whom 33,917,217 were males, and 34,243,381 were females. Reckoned at the usual proportion of 15 per cent., the number of male children of school-going age would be 5,087,582, and the number of female children 5,136,507. Of the scholars in our returns, 1,362,119 are boys and 90,826 are girls. Hence, of all boys of a school-going age over one in four is at school; of girls, 1 in 56. It has recently, however, been argued that 20 per cent. more nearly represents the proportion of children of school-going age. As the number of towns and villages in Bengal is close upon 260,000, it appears that there is one school to every four villages."

The estimate that one boy in every four is at school indicates how much remains to be done, as it implies that three-fourths of the male population have not as yet been touched by our educational system: and there is reason to believe that the estimate itself is sanguine. If the school-going age be taken as from five to fifteen the proportion of children which it includes is not 15 or even 20, but 26·93 per cent. The population must have increased since the census of 1881, and there is reason to believe that the figures given, which are taken from the return of those on the rolls at the close of the year, include many children who never attend or never learn. Out of more than 1,100,000 pupils registered, only 330,921 were examined under the system of payment by results, of whom 199,880 were passed. The census report showed only one male in ten as able to read and write. The Lieutenant-Governor regrets the depletion of Provincial finances on no account more strongly than because it prevents him, at least for the present, from carrying out the recommendations of the Education Commission in regard to primary education, which included a considerable increase in the annual expenditure.

8. The total expenditure from Provincial and District Funds on primary education during the year was Rs. 6,82,089, against Rs. 7,36,243 in 1886-87, the decrease of Rs. 54,154 being apparently due to delay in payments, which caused large sums due in 1887-88 to fall over into the following year. There was certainly no desire on the part of Government to make the transfer of these schools to District Boards an opportunity for diminishing the grant, which was founded on the actual expenditure of 1885-86. The Director observes that "the total amount contributed by municipalities to the support of primary schools was Rs. 16,355, varying from Rs. 7,805 in the Presidency Division, Rs. 2,815 in Patna, and Rs. 1,968 in Burdwan, to smaller sums in other divisions. In the 24-Pergunnahs the municipal contributions fell off by Rs. 1,182. The new Municipal Act for Calcutta contains a section empowering the Commissioners to spend money on primary and technical schools." The Lieutenant-Governor notices with approval these contributions from municipal resources, considering the importance of popular education to be such that it has a fair claim to aid, even from an income on which there are numerous and urgent demands. The mofussil municipalities benefited at the expense of provincial funds to the extent of over three lakhs of rupees a year, when the police charges in urban areas were assumed by Government from the beginning of the year 1882, and it was then assumed that a part of the surplus thus created would be devoted to education.

9. The following statement shows the manner in which the available funds were utilised in the different divisions:—

| Divisions. | Schools. | Pupils. | Expenditure. | Cost per school in rupees. | Cost per pupil in annas. |
|---|---|---|---|---|---|
| | | | Rs. | | |
| Presidency ... ... ... | 4,284 | 125,460 | 82,268 | 19·2 | 10·4 |
| Calcutta ... ... ... | 165 | 7,060 | 7,700 | 46·6 | 17·4 |
| Burdwan ... ... ... | 8,338 | 210,549 | 1,01,485 | 12·1 | 7·7 |
| Rajshahye ... ... ... | 2,501 | 60,544 | 74,034 | 29·6 | 19·5 |
| Dacca ... ... ... | 4,734 | 119,636 | 86,154 | 18·2 | 11·5 |
| Chittagong ... ... ... | 4,469 | 103,662 | 63,481 | 14·2 | 9·7 |
| Patna ... ... ... | 5,546 | 116,104 | 84,711 | 15·3 | 11·7 |
| Bhagulpore ... ... ... | 3,211 | 68,319 | 66,073 | 20·5 | 15·4 |
| Chota Nagpore ... ... | 1,423 | 42,777 | 52,425 | 36·8 | 19·8 |
| Orissa ... ... ... | 4,002 | 89,312 | 61,998 | 15·4 | 11·0 |
| Orissa Tributary Mehals ... | 89 | 1,274 | 1,850 | 20·7 | 23·2 |

The amount for expenditure being so limited in comparison with the population to be educated, it is of the utmost importance that the method should be adopted which produces the greatest effect at the smallest cost. Experience has shown that this system is for Bengal what is known as that of payment by results, as distinguished from the grant of fixed stipends to teachers, and the rules made for the guidance of District Boards recognise no other as permissible. These instructions appear to have been generally observed, except in the district of Rajshahye, as to which the Director states that the Board have during the past twelve months raised the cost of each school from Rs. 16·5 to Rs. 56·3 a year by the adoption of a system of stipends all round, in substitution of a mixed system of stipends and rewards. The number of schools in Rajshahye has at the same time been reduced from 578 to 291, that of pupils from 11,901 to 7,490. The Director was informed in December last that the change thus made was inconsistent with the rules, and he will now be asked to report what action has since been taken to place the administration of the grant in Rajshahye on a proper footing. A stipendiary school costs five or six times as much as one conducted on the principle of payment by results, and a general reversion to the former principle could only be interpreted, under present financial circumstances, as the abandonment of the attempt to give an elementary education to any considerable proportion of the population. In the 24-Pergunnahs, Moorshedabad, Midnapore, Hooghly, Howrah, the regulation districts of Chittagong, Shahabad, Sarun, Purneah, and Cuttack, the average cost of schools to Government has been kept below ten rupees a year. This economy can only have been obtained by a careful and intelligent adoption of small means to a great end, in particular by utilising to the utmost all indigenous methods and institutions. It is believed that results not dissimilar might be produced in some other districts, and the subject needs the most careful consideration on the part of the Educational authorities.

Special instruction.

10. There are in Bengal 37 institutions for imparting special instructions in some profession, art, or industry, as distinguished from the general education more commonly sought. Some details as to their strength are given below:—

| | Number of institutions. | Number of pupils on the rolls on the 31st March 1888. | Average monthly roll number. | Expenditure— From public funds: From Provincial revenues. | From public funds: From Municipal funds. | From private funds. | Total. | Average annual cost of educating each pupil: Cost to public funds. | Total cost. |
|---|---|---|---|---|---|---|---|---|---|
| I.—LAW. | | | | Rs. | Rs. | Rs. | Rs. | Rs. A. P. | Rs. A. P. |
| Government Law Schools ... | 6 | 125 | 140 | ..... | ..... | 9,517 | 9,517 | ..... | 67 15 7 |
| Unaided Law Schools ... | 4 | 1,047 | 959 | ..... | ..... | 18,104 | 18,104 | ..... | 18 14 9 |
| TOTAL LAW SCHOOLS ... | 10 | 1,172 | 1,099 | ..... | ..... | 27,621 | 27,621 | ..... | 25 2 1 |
| II.—MEDICINE. | | | | | | | | | |
| Medical College, Calcutta ... | 1 | 160 | 194 | 1,61,502 | ..... | 8,735 | 1,70,237 | 832 7 9 | 877 8 1 |
| Government Medical Schools | 4 | 589 | 579 | 63,802 | ..... | 15,803 | 79,605 | 111 14 11 | 139 10 6 |
| *Unaided Medical Schools.* | | | | | | | | | |
| Dacca Homœopathic Schools | 2 | 138 | 115 | ..... | ..... | 355 | 355 | ..... | 3 1 4 |
| TOTAL MEDICAL SCHOOLS... | 7 | 887 | 879 | 2,25,304 | ..... | 24,893 | 2,50,197 | 256 5 1 | 284 10 2 |
| III.—ENGINEERING. | | | | | | | | | |
| Civil Engineering College, Seebpore ... ... ... | 1 | 164 | 156 | 70,775 | ..... | 6,646 | 77,421 | 453 10 11 | 496 4 7 |
| Government Surveying Schools | 3 | 259 | 254 | 7,348 | ..... | 2,839 | 10,187 | 28 14 10 | 40 1 8 |
| TOTAL ENGINEERING SCHOOLS ... ... | 4 | 423 | 410 | 78,123 | ..... | 9,485 | 87,608 | 190 8 8 | 215 10 9 |
| IV.—ART AND INDUSTRY. | | | | | | | | | |
| Government School of Art ... | 1 | 158 | 148 | 24,978 | ..... | 3,168 | 28,146 | 168 13 3 | 190 2 9 |
| *Government Industrial Schools.* | | | | | | | | | |
| Ranchi Industrial School ... | 1 | 41 | 35 | 1,200 | ..... | 600 | 1,800 | 34 4 6 | 51 6 10 |
| Aided Industrial Schools ... | 7 | 307 | 294 | 1,195 | 511 | 4,467 | 6,173 | 5 12 10 | 21 0 0 |
| Unaided Industrial Schools ... | 5 | 171 | 152 | ..... | ..... | 761 | 761 | ..... | 5 0 1 |
| TOTAL ART SCHOOLS ... | 14 | 677 | 629 | 27,373 | 511 | 8,996 | 36,880 | 44 5 5 | 58 10 1 |

It will be observed that the law students are far the most numerous, that, excepting a small and decreasing minority, not constituting a ninth of the whole, they read in unaided schools, and that they cost the public nothing even when they attend Government schools. These facts and the increase in the number of law students illustrate the popularity of the profession, and its profitable nature. The study of medicine on the other hand, at least on the ordinary lines, is confined to Government institutions, and in its higher department is proportionately very expensive to the State, each student costing Government Rs. 877-8-1 a year, a sum far in excess of that reported in regard to any other form of instruction. The number of pupils in the Medical College has diminished from 172 last year to 160, though there has been an increase of ten in the free female class. On the other hand, the schools where instruction is given in the vernacular are advancing in number and reputation. There has been an increased attendance in the Engineering College, Seebpore, but it is marked as an unfavourable sign that only one student from that institution passed for the B. E. degree. The condition of this most important school has formed the subject of enquiry during the year, with special reference to the small success which has attended it at the University examinations, and the report of the Committee appointed to investigate the subject has been very recently received by the Director of Public Instruction. The survey schools have done well during the year, and their pupils readily find employment. The number of pupils in the Government School of Art increased from 152 to 158. As to this valuable institution, which is somewhat of the nature of a technical college, the Director writes—

"In July, 1887, a revised course of instruction was framed for each class. Arrangements have also been made to hold annual examinations in free-hand drawing, model-drawing geometry, and perspective. Art certificates of the third or higher grade will be awarded to those students who execute the prescribed works in each class and pass the required examinations in each group These groups comprise advanced free-hand and light-and-shade drawing, elementary painting and design, advanced painting and drawing, architectural and mechanical drawing, and modelling. Certificates of proficiency will also be granted to competent students in the lithographic, wood-engraving, metal-chasing, and wood-carving classes. Four annual scholarships have been established by the Public Works Department for competition by students in the architectural and mechanical drawing classes. The successful students, after completing the preliminary course in the school prescribed by the Public Works Department, will have the advantage of one year's practical work in the drawing branch of the Chief Engineer's office, with an allowance of Rs. 15 a month each for the first six months, and an increase of Rs. 5 a month if satisfactory progress is made. There were seven competitors for the studentships, whose works were submitted for examination to Mr. W. Banks Gwyther, A.R.I.B.A., who expressed his satisfaction with the quality of the work done by this newly-inaugurated class.

"Their Excellencies the Viceroy and the Countess of Dufferin visited the school on the 27th March, 1888. His Excellency was pleased to award a silver and a bronze medal for competition: 'the silver medal to be awarded to the student who, at the end of the year, has executed the best series of works in any of the classes.'

"Mr. Jobbins reports that, as a result of the practical character of the instruction now imparted, the students are finding remunerative employment. One has lately been appointed head-draftsman in the office of the Engineer-in-Chief, Sind-Pishin State Railway."

The industrial schools are conducted on a small scale, aiming at little more than the teaching of ordinary mechanical arts to a limited number of pupils of the artisan class; but on the whole they did well during the year. It may be said generally that the few technical institutions which exist in Bengal hold their own, without any marked advance or retrogression, being in this respect less successful than the colleges and schools for English education, which progress rapidly, though receiving much less assistance from Government. This remark does not apply to the law classes, which flourish of their own vitality, without assistance from the State. The question of promoting technical education in new directions has been examined during the year by the Seebpore College Committee, and will come before Government again when the report of that body is received with the remarks of the Director of Public Instruction. All schemes for instruction of this class involve considerable expense, and it has not been thought necessary to expedite their examination during a season of financial pressure.

Female education.

11. The Lieutenant-Governor notices with satisfaction the statement of the Director of Public Instruction that the medical education of women made a decided advance

during the year. In the Medical College five young ladies were reading as regular students for the L.M.S. or M.B. degree, and one of them (Miss Virginia Mitter) headed the list of successful candidates at the first M.B. examination. Besides the regular students, 21 young ladies attend lectures in the Medical College for a special certificate under the new regulations. A class for instructing females through the medium of the vernacular was opened in June, 1886, in the Campbell Medical School, and is attended by 15 students. The progress of female education generally is indicated by the figures given below:—

| | 1886-87. | | 1887-88. | |
|---|---|---|---|---|
| | Schools. | Pupils. | Schools. | Pupils. |
| Girls' schools ... ... | 2,198 | 43,290 | 2,247 | 46,038 |
| Girls in boys' schools ... | ..... | 37,764 | ..... | 37,785 |
| GRAND TOTAL ... | 2,198 | 81,054 | 2,247 | 83,823 |

The Director draws attention to the fact that the greatest numerical results are produced in this department by rewarding the teachers of primary schools for the attendance of girls. He observes that "a grant-in-aid girls' school costs Rs. 178 a year, while a primary grant school costs only Rs. 20. There is no limit to the number of girls that can be educated in boys' schools, if the District and Local Boards, in whose hands the administration of the primary grant now rests, find it possible to maintain and increase the existing rates of aid." There has been a most satisfactory advance in the number of girls under instruction in the Dacca and Patna Divisions, counterbalanced, to some extent, by a falling off in some other divisions. In the higher walks of female education it is noticed that the Bethune College, the Free Church Normal School, and the Doveton Institution for Young Ladies, sent up successful candidates for the Entrance Examination of the Calcutta University, while the Bethune College also passed two candidates at the B.A. Examination.

Education of Europeans.

12. The number of European schools remained the same as in the previous year, being 72 in all; there was an increase in the attendance from 6,391 to 6,541. The Government expenditure under this head was Rs. 1,73,018 against Rs. 2,50,367 last year, the decrease being in the grants for buildings. The effort which has been made for some years to give to the education of Europeans a more practical turn, by substituting a special examination for that of the Entrance to the Calcutta University, has entirely failed, not a single boy having appeared as a candidate. It is evident that the authority of a University having a monopoly of the power to grant degrees is sufficient to regulate the course of study in all Bengal schools, of whatever class, and this is an additional argument in favour of introducing an alternative standard, adapted to the requirements of those who need a practical rather than a literary education. The allowances to high schools continue to be regulated by a very minute system of payment by results, involving the examination by a Government Inspector of every boy in every subject. The success of the schools may be roughly gauged by the percentage earned of the total possible grant, which was 73 per cent., a great improvement on the results of the previous year. This progress is, however, attributed in part to a change in the system of marking.

Education of Muhammadans.

13. The Director notices that there has been a satisfactory increase in the attendance of Muhammadans at the higher institutions of instruction. In Arts colleges such pupils have increased from 138 to 217; in English schools, from 13,218 to 14,864; in middle vernacular schools, from 9,053 to 9,860; and besides this absolute increase, the percentage is in each case higher than last year. The total number of Muhammadan students also rose from 366,886 to 401,671, and the percentage from 26·9 to 27·6, figures to be compared with the percentage of 31·5 borne by Muhammadans to the whole population of Bengal; the apparent improvement is not, however, due to any real development, but to the correction of an error made during the last two years in the method of registering certain Koran schools, which were removed from the aided list, without being placed on that of private institutions. There is still some doubt as to the expediency of the course adopted in withdrawing

aid from these schools, and the matter is under consideration The appointment of two Muhammadan Assistant Inspectors, which has been sanctioned for some time, and is now to be immediately carried into effect, will afford facilities for considering such questions from the Muhammadan point of view. Three scholarships were founded in July, 1886, of Rs. 20 a month each, tenable for a year-and-a-half, by any student of the Calcutta Madrassa who has obtained the B.A. degree with honours. This raises the total number of special Muhammadan scholarships to 134. The attendance at Madrassas generally increased from 1,120 to 1,229, in the Calcutta Madrassa (Oriental Department) from 339 to 362. The total number of students in the Calcutta Madrassa was 1,183 against 1,119 in the previous year. A change has recently been effected in the constitution of the College Department of the Madrassa, which, it is hoped, will give the students the advantage of the superior tuition of the Presidency College, without depriving them of the special attraction of a denominational institution.

14. The progress made in the extension of education of all kinds during the year may be gathered from the following statement of the number of enrolled pupils:—

General summary.

| | 1887. | 1888. | Increase per cent. | Decrease per cent. |
|---|---|---|---|---|
| In public institution— | | | | |
| Colleges ... ... | 4,611 | 5,990 | 29·9 | ..... |
| Secondary schools ... ... | 184,319 | 196,694 | 6·7 | ..... |
| Primary schools ... ... | 1,122,286 | 1,148,410 | 2·3 | ..... |
| Special schools ... ... | 5,378 | 5,195 | ..... | 3·5 |
| Total ... | 1,316,594 | 1,356,289 | 3·01 | ..... |
| In private institution— | | | | |
| Advanced ... ... ... | 30,122 | 31,140 | 3·3 | ..... |
| Elementary ... ... | 5,492 | 30,309 | 451·8 | ..... |
| Teaching the Koran only ... | ..... | 32,773 | ..... | ..... |
| Other schools ... ... | 9,894 | 2,434 | ..... | 75 |
| Total ... | 45,508 | 96,656 | 12·3 | ..... |
| GRAND TOTAL ... | 1,362,102 | 1,452,945 | 6·6 | ..... |

It is observed with satisfaction that there has been an improvement in the general result, and also in all the more important departments.

15. The thanks of the Lieutenant-Governor are given to Sir Alfred Croft for his able management of the Education Department during the year.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

*Secretary to the Govt. of Bengal.*

THE following report is published for general information.

By order of the Lieutenant-Governor of Bengal,

REVENUE DEPT., P. NOLAN,
*The 10th January* 1889. *Secy. to the Govt. of Bengal.*

## METEOROLOGICAL SUMMARY OF THE MONSOON PERIOD OF 1888.

THE following statement is intended to give a very brief history of the more important features which have characterised the south-west monsoon period and the preceding months of 1888 in Bengal.

The month of January was of ordinary cold-weather character, and was rather free from the influence of land-formed storms, for, up till the 22nd, no depression affected the weather in the province. From this date the usual conditions were almost reversed in Bengal by the formation and advance of a depression from Northern India. The storm first made its appearance to the south of Quetta and west of Jacobabad on the 20th, having apparently been already fully formed before it crossed from Afghanistan into India. It then travelled through Central India and passed through the south of the province of Bengal, entering the Bay of Bengal near Gopalpore and crossing it to near Akyab, when it again passed inland or disappeared. As the result mainly of this storm, rainfall was decidedly heavier than usual in Chutia Nagpur, South Behar, Orissa, South-West Bengal and East Bengal, though it was below the normal in North Bengal and North Behar. Pressure was also above the normal by 0·033 inch, while temperature was below it by nearly a degree and a half. Humidity was also slightly below the normal, while on the other hand cloud proportion was above it.

In February two feeble low pressure areas drifted across Bengal in an easterly direction, which gave rainfall mainly to Chutia Nagpur and Orissa, and South-West and East Bengal, which divisions received falls in excess of the normal. Smaller amounts of rain than usual fell in North Bengal, while Behar was practically rainless. Pressure in February was practically normal, and temperature about one degree above it, and the normal steady rise in temperature during the month was clearly marked. There were also as usual some remarkable oscillations of humidity, due to the occasional setting in of moist sea winds from the head of the Bay, and their subsequent retreat on being driven back by the land winds.

In March there was again the usual continued rapid rise of temperature, and the mean temperature of the province at the end of the month was nearly 10° higher than at the commencement, while temperature remained about one degree above the normal. Two periods of disturbance, during which hot-weather storms or nor'-westers were numerous, also existed during the month, and these gave rainfall heavier than the normal to North Behar, North Bengal and East Bengal, while the falls in Chutia Nagpur, South Behar, South-West Bengal and Orissa were comparatively small and below the normal. Some of these storms were very intense, and probably two of them were of the nature of tornadoes. The first of these was on March 27th at Magura in the Jessore district, which did a moderate amount of damage, and the second was on the same day in the Pubna district, when several villages were much affected by it. Pressure in March was almost normal, while humidity and cloud proportion were somewhat below it.

In April ordinary hot-weather conditions prevailed for the first few days, and a few ordinary nor'-westers only were recorded up till the 7th, when one of the most violent storms on record in India occurred, Dacca being visited by an extremely fierce tornado at about 7 o'clock in the evening of April 7th. The breadth of the tornado path was about 200 paces, and the length about three and a-half miles, and it caused 118 deaths, while 1,200 persons were somewhat severely wounded. After the occurrence of this storm ordinary hot-weather conditions continued up till about the 18th, when again a period of disturbance set in accompanied by local storms or nor'-westers, which lasted up till the close of the month. Again, one of these storms was of the nature of a tornado, and Bhudressur, a small town close to Serampore, was partially demolished at about 8 p.m. on April 23rd, when several persons were killed and many injured. The rainfall brought up by these disturbed conditions was in excess of the normal amount in South-West Bengal, East Bengal, North Bengal, and North Behar,

while it was below the normal in Orissa, South Behar, and Chutia Nagpur. Pressure was also no less than 0·042 inch below the normal, while temperature was about half a degree above it.

In May there were three periods during which the weather was disturbed, and when local storms with rain occurred: the first period was for the first two or three days of the month, the second from the 6th to the 10th, and the third from the 16th to the end of the month, but except in North Behar, where rainfall was normal in amount, all divisions reported a rainfall rather decidedly in defect of the normal, the defect in South-West Bengal, Chutia Nagpur, and South Behar being large.

Up till the end of May therefore the general meteorological conditions in Bengal had not differed to any very large extent from the normal, and in the south of the Bay the first advance of south-west monsoon winds had been reported from the Ceylon stations on about the 8th and 9th of May, and in front of this advance a small cyclonic storm was formed, which crossed the Madras coast. This advance, however, does not appear to have progressed very far up the Bay. The second advance commenced about the 17th of the same month, and lasted about five days, as shown by the high wind velocities at the Ceylon stations, and it would appear that in this advance the monsoon winds reached about the centre of the Bay when they again died away. The third advance of the monsoon current commenced in the south of the Bay on the 27th, and very strong winds were reported at the Ceylon stations up till the 1st of June, and fairly strong winds for some days afterwards. This represented a very powerful advance of the monsoon current, and it is probable that squally unsettled weather obtained over the whole of the centre and south of the Bay at this time. This afterwards developed into a diffused depression, which advanced towards the west coast of the Bay, reaching the South Orissa coast on the morning of the 5th, and in its advance over the land it brought up moderate general rain to a large part of the province, which continued up till the 9th and 10th of the month. At this time all the meteorological conditions appeared favorable for the early setting in of the rains, and under ordinary circumstances the next advance of monsoon winds would have drifted over the province and the regular rains would have broken. But though strong winds continued to be reported in the south of the Bay, particularly for some days about the 6th, again from the 17th and from the 21st, indicating that there were successive waves of strong monsoon winds passing up the Bay, yet rainfall remained practically absent from Bengal from about the 10th up till the 27th to the 29th of the month. The cause of this almost complete stoppage of the progress of the rain-bearing current towards Bengal appears to have been that a feeble but very persistent area of comparatively low pressure with disturbed conditions generally existed at this period in the centre of the Bay off the Arakan and West Pegu coasts. This was accompanied by a feeble but distinctly marked whirl or cyclonic circulation of winds, and this had the effect of deflecting the rain-bearing current in an easterly direction towards Burma and Assam. This area of depression from the Bay apparently advanced over South-West Bengal at the end of June, and at the same time the monsoon current from the Arabian Sea began to make itself felt in Bengal, and general and rather heavy rain set in from June 27th to the 29th, and the rains may thus be said to have broken at this date or at least a fortnight later than the usual date for their commencement.

During this almost rainless interval, from the 10th to the 27th, a period of excessive heat set in over Bengal, and at some stations temperatures were most exceptionally high—higher than ever before recorded. At Calcutta, in particular, a temperature of about 1·2° higher than ever previously known at that station was registered. At many stations also during this period the mean temperature was from 10° to 15° higher than the normal for the period. Thus for June the mean temperature was generally rather largely in excess, while pressure was in distinct defect. The rainfall in June over the province averaged less than half the normal amount, and in such divisions as Orissa, Chutia Nagpur, and South Behar, it was only about a third of the normal. In this month rainfall was exceptionally deficient in the districts of Cuttack, Maldah, and Hazaribagh.

In July the south-west monsoon current was particularly strong, and the general rainfall of the province was nearly twenty per cent. in excess of the normal fall. The only division, indeed, which received a diminished fall was Orissa, where the actual only equalled about four-fifths of the normal, but in South-West Bengal, Behar, and Chutia Nagpur the falls were particularly heavy. Very large defects were in July again reported in the rainfall of the Cuttack district, while in the Pooree district the fall was less than half the usual amount. In North Bengal also the Bogra and Rungpore districts reported rather considerable defects. In this month three barometric depressions and one small cyclonic storm were formed. Two of the depressions were generated over the land and the third close to the Sunderbuns, while the small cyclonic storm formed in the centre of the Bay and crossed the Orissa coast between Pooree and Gopalpore.

In August, again, the monsoon current, as judged by the heaviness of the rainfall brought up by it, was exceptionally strong, and, generally speaking, the rainfall of the whole of the province was about 40 per cent. in excess of the normal. So heavy in fact was the rainfall in this month that in most districts the deficiency in the rainfall caused by the serious retardation of the monsoon current in June was more than neutralized, and the rainfall for the year up to the end of August was above the normal in all districts except North Bengal. Notwithstanding the heaviness of the general rainfall in August, the Purneah and Julpigoree districts received falls largely in defect of the normal, while in Rungpore, Cooch Behar, Darjeeling, Chumparun, and Durbhanga the falls were in moderate defect. On the other hand, some districts, such as Cuttack, Howrah, and Gya, received falls more than twice the normal. The falls in Orissa, South-West Bengal, and South Behar were in fact particularly heavy, and were partly brought about by the passage of a cyclonic storm which was generated over the Sunderbuns on the 19th, and passed through South-West Bengal into South Behar, breaking up in the North-West Provinces on the 29th. Besides this cyclonic storm, there were also two influential and two smaller and rather feeble depressions which influenced the province, three of which formed over the north-west angle of the Bay and part of South-West Bengal, and advanced in a north-westerly direction, while the fourth formed in North Bengal and moved in a westerly direction across the whole of India, only breaking up in the Runn of Cutch. In August pressure was decidedly in defect of the normal, while temperature was also rather lower than usual.

In September the monsoon current weakened much more rapidly than usual, and the total rainfall of the month was only equal to about three-fourths of the normal amount. In addition to the lightness of the rainfall, the greater part of the rain was received during the first half of the month, and rainfall was generally very light for the second half. Indeed, in some districts rainfall had entirely ceased before the close of September. Thus in Behar the south-west monsoon rains almost entirely ceased from about the 27th, and the same was to a great extent true in Chutia Nagpur. The largest defects in this month were reported in North Bengal and North Behar, where the falls were only from one-half to two-thirds of the normal amounts, while in the Pubna, Cooch Behar, Purneah, and Mozufferpore districts the falls varied from only one-half to one-third of the usual amounts.

Three depressions were formed over the Bay in this month—the first two were unimportant, and they occurred during the first seven days and gave moderate rain only, but the third was a very noticeable storm, and it lasted from the 12th to the 20th. This storm apparently originated in the Gulf of Siam, and it crossed from that place to the north of Tavoy into the Gulf of Martaban as a well-formed cyclone. It then crossed South Pegu a little to the north of Diamond Island, strengthening rapidly in its advance, and then advanced across the Bay of Bengal, striking the Orissa coast near False Point, and as it approached the land the velocity of advance of the storm was probably at least 20 miles an hour. The storm then passed through Orissa and afterwards advanced, first in a north-westerly and then in a northerly direction, finally breaking up in the Mussoorie and Simla Hills on the 20th or 21st. It brought very heavy rain in the line of its advance.

When the effects of this storm passed away, the monsoon current rapidly retreated from the province and commenced to retreat down the Bay, so that at the end of September practically no rain was falling. In front of the retreating current, however, a cyclonic storm of moderate intensity was formed near Diamond Island on October 1st, and this very slowly advanced up to the head of the Bay, striking the coast near Burisal on the night of the 6th, and then advancing in a north-easterly direction. This storm brought heavy rain to East Bengal, which received almost its normal fall for October; but in all other districts rainfall was much below the normal, the falls generally varying from a quarter to a third of the normal amount. In South-West Bengal, Orissa, and Chutia Nagpur, moderate showers fell in the early part of the month up to about the 7th, but the falls in North Bengal and South Behar were particularly scanty, and in North Behar practically no rain at all fell. Even the falls which were received were less valuable than they might have been, from the fact that they were confined to a few days only in the early part of the month, and rainfall was practically absent over the greater part of the province from the 7th, though a few showers fell in Chutia Nagpur and parts of South Behar on the 28th and 29th. It must also be added that general rain commenced to fall in the south of Orissa at the end of October.

In previous years it has been the custom to close the review of the monsoon season with the meteorology of October, but in the present year the meteorology of November has been so important that it is desirable to state briefly the general conditions during this month. At the close of October a violent cyclone was formed in the south of the Bay, which passed almost over Madras on the 31st, crossing the peninsula into the Arabian Sea. The wave of moist winds accompanying and following the cyclone then advanced up the west coast of the Bay of Bengal, and gradually and slowly spread over Bengal. This moist current gave moderate rain to Orissa from about the 30th October to the 14th of November; moderate rain to South-West Bengal from the 9th to the 14th; and moderate rain to East and North Bengal on the 14th November; and light, but rather local, rain in South Behar and Chutia Nagpur from the 12th to the 14th. The moist winds then retired, but at the end of November a land-formed disturbance from Upper India drifted over the province, and good general rain was received over practically the whole of Behar on about the 28th or 29th. All divisions therefore received fairly general, and in some cases rather heavy, rain in November, and the falls in all divisions, except East Bengal, were largely above the normal. Orissa received an average fall of nearly three inches, South-West Bengal one of about one and-a-half inches. n North Bengal, East Bengal, South Behar, and Chutia Nagpur the falls averaged from about four to five-tenths of an inch, but in North Behar the average was only about two-tenths. The districts in which the falls were smallest in November were—Chittagong, Noakholly, Durbhunga, Chumparun, Mozufferpur, Sarun, Backergunge, and Rajshahye.

The most important features of the monsoon season of 1888 and of the months preceding it in Bengal have been—

1. The occurrence of several tornadoes of an extremely violent type during March and April.

2. The general rainfall was fairly normal in character for the first five months of the year, *i.e.*, nearly up to the usual date of the commencement of the true rainy season.

3. There was a period of exceptionally intense heat in June owing to the serious retardation of the rains.

4. The advance of monsoon current took place at about the usual period in the south of the Bay; but owing to the existence of an area of barometric depression off the Arakan and Pegu coasts, the monsoon winds were deflected towards Burma and Assam during the greater part of June, and the true rains did not break in Bengal until the 27th June, or rather more than a fortnight later than usual.

5. The rainfall current was very strong during July and August, and gave exceptionally heavy rain.

6. The monsoon current was very light in September, and retreated more rapidly than usual, and rainfall in this month was only about three-fourths as large as usual.

7. In October, except at the commencement of the month and in East Bengal, rainfall was to a great extent absent.

8. In November good general, but in most cases rather light, rain fell over practically the whole province.

9. The following tables give briefly the amount and variation of the rainfall in each of the seven meteorological divisions of the province, month by month, for the monsoon season, May to October inclusive:—

*Actual Rainfall.*

| Meteorological Divisions. | May. | June. | July. | August. | September. | October. | Year. |
|---|---|---|---|---|---|---|---|
| Orissa ... | 3·60 | 2·65 | 10·18 | 20·70 | 9·30 | 1·47 | 47·90 |
| South-West Bengal ... | 3·33 | 5·76 | 15·71 | 20·05 | 6·98 | 1·49 | 53·32 |
| East Bengal ... | 8·38 | 9·70 | 19·60 | 21·02 | 8·55 | 4·75 | 72·00 |
| North Bengal ... | 8·40 | 12·22 | 14·03 | 12·22 | 7·40 | 0·77 | 55·04 |
| North Behar ... | 3·29 | 5·29 | 16·11 | 13·72 | 6·38 | 0·01 | 44·80 |
| South Behar ... | 1·42 | 2·60 | 16·22 | 19·10 | 6·48 | 0·54 | 46·36 |
| Chutia Nagpur ... | 1·10 | 2·46 | 16·76 | 17·63 | 7·15 | 1·04 | 45·14 |

*Variation of actual Rainfall from the average in inches.*

| Meteorological Divisions. | May. | June. | July. | August. | September. | October. | Year. |
|---|---|---|---|---|---|---|---|
| Orissa ... ... | — 0·31 | — 6·21 | — 2·41 | + 9·52 | — 1·12 | — 4·67 | — 5·20 |
| South-West Bengal ... | — 2·08 | — 4·33 | + 3·71 | + 7·29 | — 2·06 | — 2·86 | — 0 33 |
| East Bengal ... | — 0·88 | — 8·51 | + 3·26 | + 5·15 | — 3·62 | — 0·66 | — 5·26 |
| North Bengal ... | — 0·45 | — 5·54 | + 0·02 | — 1·91 | — 6·19 | — 3·83 | —17·90 |
| North Behar ... | + 0·08 | — 3·44 | + 3·74 | + 2·12 | — 3·47 | — 3 57 | — 4·54 |
| South Behar ... | — 0·99 | — 4·08 | + 4·20 | + 7·80 | — 1·50 | — 2·78 | + 2·65 |
| Chutia Nagpur ... | — 1·75 | — 5·72 | + 3·63 | + 4·43 | — 1·69 | — 2·04 | — 3·14 |

*Variation expressed in a percentage.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Orissa ... ... | — 9 | — 70 | — 19 | + 85 | — 10 | — 76 | — 10 |
| South-West Bengal ... | — 38 | — 43 | + 31 | + 57 | — 23 | — 66 | — 1 |
| East Bengal ... | — 10 | — 47 | + 20 | + 33 | — 30 | — 12 | — 7 |
| North Bengal ... | — 5 | — 31 | + 0 | — 14 | — 46 | — 83 | — 25 |
| North Behar ... | + 3 | — 40 | + 30 | + 18 | — 35 | —100 | — 9 |
| South Behar ... | — 41 | — 61 | + 35 | + 75 | — 19 | — 84 | + 6 |
| Chutia Nagpur ... | — 61 | — 70 | + 28 | + 34 | — 19 | — 66 | — 7 |

10. Finally, the rainfall of the whole province from May to October has averaged 52·22 inches, while the normal fall is 57·04 inches, or the actual fall has been 4·82 inches less than the normal. Expressed as a percentage, the actual rainfall in Bengal for this period has been nearly 9 per cent. in defect of the normal.

A. Pedler,

*Offg. Meteorological Reporter to the Govt. of Bengal.*

Meteorological Office, Bengal,
*The 10th December* 1888.

## TABLE I.

*Actual Monthly Rainfall of districts in Bengal for the months May to October* 1888.

[*N. B.*—The figures in this table are the arithmetical averages of the corresponding figures in the returns for the sub-divisional stations.]

| Division. | District. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|
| Orissa | Pooree ... | 1·89 | 2·89 | 8·70 | 15·35 | 8·28 | 2·15 | 39·26 |
| | Cuttack ... | 2·40 | 2·75 | 9·47 | 25·64 | 8·11 | 1·27 | 49·64 |
| | Balasore ... | 5·78 | 2·69 | 11·62 | 19·90 | 10·49 | 0·97 | 51·45 |
| South-West Bengal. | South Midnapore and South-West 24-Pergunnahs. | 2·98 | 1·10 | 10·02 | 28·84 | 8·22 | 2·16 | 53·32 |
| | Midnapore ... | 3·39 | 4·70 | 17·25 | 24·66 | 10·48 | 1·37 | 61·85 |
| | 24-Pergunnahs | 3·49 | 6·17 | 16·42 | 22·91 | 8·04 | 1·98 | 59·01 |
| | Hooghly and Howrah | 3·71 | 6·78 | 16·29 | 26·00 | 7·28 | 2·06 | 62·12 |
| | Bankoora ... | 3·11 | 6·79 | 15·78 | 19·47 | 5·79 | 0·56 | 51·50 |
| | Beerbhoom ... | 2·81 | 6·79 | 16·09 | 22·45 | 7·50 | 0·66 | 56·30 |
| | Burdwan ... | 3·92 | 7·06 | 16·58 | 20·67 | 6·58 | 0·57 | 55·38 |
| | Nuddea ... | 4·69 | 4·28 | 17·98 | 19·56 | 6·23 | 1·84 | 54·58 |
| | Moorshedabad ... | 3·28 | 5·49 | 14·29 | 14·79 | 7·17 | 1·66 | 46·68 |
| | Khoolna and Jessore ... | 2·46 | 6·63 | 15·55 | 12·72 | 5·21 | 1·52 | 44·09 |
| East Bengal | Chittagong ... | 11·80 | 10·99 | 45·55 | 41·53 | 11·11 | 7·13 | 128·11 |
| | Chittagong Hill Tracts | 8·20 | 7·00 | 12·56 | 31·18 | 8·77 | 6·23 | 73·94 |
| | Backergunge ... | 2·40 | 6·94 | 22·78 | 25·72 | 6·68 | 8·09 | 72·61 |
| | Noakholly ... | 6·56 | 9·25 | 34·78 | 31·71 | 12·34 | 12·57 | 107·21 |
| | Furreedpore ... | 4·09 | 7·77 | 15·31 | 13·48 | 6·27 | 0·84 | 47·76 |
| | Dacca ... | 4·57 | 9·80 | 18·94 | 13·70 | 7·09 | 1·59 | 55·69 |
| | Tipperah ... | 10·28 | 10·89 | 12·40 | 18·24 | 8·86 | 3·54 | 64·21 |
| | Mymensingh ... | 16·46 | 12·41 | 12·21 | 13·82 | 9·77 | 3·28 | 67·95 |
| North Bengal. | Pubna ... ... | 7·66 | 5·94 | 12·67 | 10·70 | 3·56 | 0·97 | 41·50 |
| | Bogra ... | 9·98 | 5·94 | 9·78 | 11·38 | 6·10 | 0·52 | 43·70 |
| | Rajshahye ... | 5·11 | 3·85 | 13·08 | 11·72 | 12·03 | 1·25 | 47·04 |
| | Maldah ... | 3·41 | 1·46 | 11·92 | 15·87 | 6·47 | 1·49 | 40·62 |
| | Dinagepore ... | 8·30 | 5·16 | 14·04 | 11·52 | 6·15 | 0·60 | 45·77 |
| | Rungpore ... | 11·75 | 17·01 | 9·76 | 10·16 | 8·47 | 0·31 | 57·46 |
| | Julpigoree and Cooch Behar. | 8·14 | 30·64 | 22·61 | 15·99 | 8·91 | 0·96 | 87·25 |
| | Darjeeling Hill ... | 6·74 | 20·65 | 35·56 | 20·26 | 14·29 | 2·07 | 99·57 |
| North Behar | Purneah and North Bhagulpore. | 6·31 | 5·25 | 18·82 | 10·82 | 6·97 | 0·04 | 48·21 |
| | Durbhunga ... | 2·85 | 5·97 | 14·55 | 9·85 | 5·36 | Nil | 38·58 |
| | Mozufferpore ... | 1·57 | 5·51 | 17·23 | 11·13 | 3·73 | Nil | 39·17 |
| | Chumparun ... | 2·49 | 7·20 | 15·23 | 8·20 | 7·63 | Nil | 40·75 |
| | Sarun ... ... | 0·92 | 3·17 | 12·63 | 12·22 | 8·25 | Nil | 37·19 |
| South Behar | Shahabad ... | 0·56 | 1·42 | 14·69 | 16·49 | 7·82 | 0·48 | 41·46 |
| | Gya ... | 0·37 | 2·45 | 14·77 | 24·80 | 6·22 | 0·29 | 48·90 |
| | Patna ... | 1·20 | 2·33 | 18·78 | 18·60 | 5·18 | 0·07 | 46·16 |
| | Monghyr and South Bhagulpore. | 2·13 | 2·28 | 17·66 | 18·74 | 6·55 | 0·73 | 48·09 |
| | Sonthal Pergunnahs... | 2·40 | 4·58 | 15·56 | 22·29 | 6·35 | 0·91 | 52·09 |
| Chutia Nagpur. | Hazaribagh ... | 0·79 | 1·98 | 17·62 | 26·63 | 6·95 | 1·90 | 55·87 |
| | Lohardugga ... | 1·29 | 3·13 | 18·00 | 19·59 | 7·99 | 0·23 | 50·23 |
| | Manbhoom ... | 1·83 | 3·21 | 15·58 | 17·88 | 7·28 | 0·59 | 46·37 |
| | Singbhoom ... | 2·40 | 3·04 | 12·06 | 17·25 | 5·32 | 0·05 | 40·12 |

## TABLE. II.

*Variation of the average district actual Monthly Rainfall from the normal average for the months May to October* 1888.

| Division. | District. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|
| Orissa | Pooree ... ... | —1·16 | —5·63 | —3·38 | +3·59 | —1·96 | —5·97 | —14·51 |
| | Cuttack ... | —1·20 | —6·91 | —3·00 | +15·02 | —1·48 | —4·33 | —1·90 |
| | Balasore ... | +1·05 | —5·74 | —1·41 | +8·63 | —0·74 | —4·32 | —2·53 |
| South-West Bengal. | South Midnapore and South-West 24-Pergunnahs. | —1·82 | —8·71 | —5·44 | +14·53 | —3·22 | —5·56 | —10·22 |
| | Midnapore ... | —1·80 | —4·74 | +4·50 | +10·73 | +2·39 | —2·90 | +8·18 |
| | 24-Pergunnahs ... | —2·23 | —3·56 | +4·00 | +9·72 | —0·73 | —2·12 | +5·08 |
| | Hooghly and Howrah | —1·65 | —2·92 | +3·43 | +11·89 | —1·24 | —1·87 | +7·64 |
| | Bankoora ... | —0·86 | —2·92 | +2·51 | +5·20 | —2·45 | —3·19 | —1·71 |
| | Beerbhoom ... | —0·60 | —3·28 | +3·15 | +9·35 | —2·38 | —2·80 | +3·44 |
| | Burdwan ... | —1·13 | —1·82 | +6·00 | +8·57 | —1·09 | —3·40 | +7·13 |
| | Nuddea ... | —1·62 | —5·44 | +7·74 | +7·53 | —2·36 | —2·37 | +3·48 |
| | Moorshedabad ... | —1·99 | —3·71 | +3·41 | +2·91 | —3·23 | —2·56 | —5·17 |
| | Khoolna and Jessore | —4·33 | —5·67 | +4·36 | +0·76 | —3·73 | —2·90 | —11·51 |
| East Bengal | Chittagong ... | +1·80 | —18·64 | +14·49 | +18·08 | —3·21 | +0·46 | +12·98 |
| | Chittagong Hill Tracts | —1·30 | —13·12 | —5·06 | +14·89 | —3·98 | —0·92 | —9·49 |
| | Backergunge ... | —5·26 | —12·46 | +4·80 | +10·11 | —5·44 | +2·56 | —5·69 |
| | Noakholly ... | —3·84 | —18·07 | +11·51 | +7·04 | —4·42 | +6·20 | —1·58 |
| | Furreedpore ... | —4·50 | —4·78 | +3·41 | +1·42 | —2·98 | —3·60 | —11·03 |
| | Dacca ... | —4·35 | —3·22 | +5·20 | +0·77 | —3·31 | —2·80 | —7·71 |
| | Tipperah ... | —0·15 | —5·88 | —1·31 | +2·12 | —2·59 | —1·63 | —9·44 |
| | Mymensingh ... | +7·01 | —4·56 | —0·49 | +0·03 | —3·38 | —2·04 | —3·43 |
| North Bengal. | Pubna ... | +0·55 | —5·21 | +2·10 | —1·31 | —6·86 | —3·62 | —14·35 |
| | Bogra ... | +2·19 | —6·82 | —2·97 | —0·25 | —4·26 | —3·88 | —15·99 |
| | Rajshahye ... | —1·02 | —6·10 | +1·31 | —0·38 | +0·57 | —3·20 | —8·82 |
| | Maldah ... | —1·09 | —10·40 | —0·07 | +3·85 | —4·58 | —2·20 | —14·49 |
| | Dinagepore ... | +1·88 | —8·58 | +1·79 | +0·02 | —5·12 | —3·15 | —13·16 |
| | Rungpore ... | +0·52 | —4·29 | —4·23 | —1·91 | —4·97 | —4·58 | —19·46 |
| | Julpigoree and Cooch Behar. | —5·62 | —0·42 | +2·74 | —6·93 | —12·86 | —4·86 | —27·95 |
| | Darjeeling Hill ... | —4·58 | —8·19 | +4·37 | —7·70 | —4·31 | —4·24 | —24·65 |
| North Behar | Purneah and North Bhagulpore. | +1·37 | —6·25 | +5·06 | —2·86 | —5·42 | —3·57 | —11·67 |
| | Durbhunga ... | +0·22 | —2·06 | +2·96 | —0·90 | —3·89 | —2·92 | —6·59 |
| | Mozufferpore ... | —0·89 | —1·91 | +5·81 | +1·05 | —5·27 | —3·40 | —4·61 |
| | Chumparun ... | —0·10 | —0·99 | +3·66 | —3·74 | —1·67 | —3·54 | —6·38 |
| | Sarun ... | —1·16 | —3·32 | +0·32 | +1·98 | +0·80 | —4·38 | —5·76 |
| South Behar | Shahabad ... | —0·85 | —3·56 | +3·38 | +5·40 | +0·74 | —2·90 | +2·21 |
| | Gya ... | —1·39 | —3·07 | +2·54 | +13·07 | —0·57 | —2·54 | +8·04 |
| | Patna ... | —0·89 | —3·91 | +6·83 | +8·12 | —1·86 | —3·19 | +5·10 |
| | Monghyr and South Bhagulpore. | —0·32 | —4·67 | +6·06 | +7·68 | —1·33 | —2·47 | +4·92 |
| | Sonthal Pergunnahs ... | —1·44 | —4·37 | +2·70 | +10·37 | —3·86 | —2·84 | +0·56 |
| Chutia Nagpur. | Hazaribagh ... | —1·96 | —6·41 | +4·12 | +13·38 | —2·34 | —1·23 | +5·56 |
| | Lohardugga ... | —1·35 | —4·72 | +5·14 | +6·72 | —1·02 | —2·64 | +2·13 |
| | Manbhoom ... | —0·94 | —4·87 | +3·51 | +4·68 | —0·41 | —2·75 | —0·78 |
| | Singbhoom ... | —1·77 | —5·26 | —2·21 | +3·42 | —3·00 | —2·90 | —11·72 |

## TABLE III.

*The variation of the average District Monthly Rainfall expressed as a percentage of the normal rainfall for the months May to October* 1888.

| Division. | District. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|
| Orissa | Pooree ... | —38 | —66 | —28 | +31 | —19 | —74 | —27 |
| | Cuttack ... | —34 | —72 | —24 | +141 | —15 | —78 | —4 |
| | Balasore ... | +22 | —68 | —11 | +77 | —7 | —82 | —5 |
| South-West Bengal. | South Midnapore and South-West 24-Pergunnahs. | —38 | —89 | —35 | +102 | —28 | —72 | —16 |
| | Midnapore ... | —35 | —50 | +35 | +77 | +30 | —68 | +15 |
| | 24-Pergunnahs ... | —39 | —37 | +32 | +74 | —9 | —52 | +9 |
| | Hooghly and Howrah | —31 | —30 | +27 | +84 | —15 | —48 | +14 |
| | Bankoora ... | —22 | —30 | +19 | +37 | —30 | —85 | —3 |
| | Beerbhoom ... | —16 | —33 | +24 | +71 | —24 | —81 | +7 |
| | Burdwan ... | —22 | —21 | +57 | +71 | —14 | —86 | +15 |
| | Nuddea ... | —26 | —56 | +75 | +63 | —27 | —56 | +7 |
| | Moorshedabad .. | —38 | —40 | +31 | +25 | —31 | —61 | —10 |
| | Khoolna and Jessore | —64 | —46 | +39 | +7 | —42 | —65 | —20 |
| East Bengal | Chittagong . | +18 | —63 | +47 | +77 | —23 | +7 | +11 |
| | Chittagong Hill Tracts | —14 | —65 | —29 | +92 | —31 | —13 | —11 |
| | Backergunge ... | —69 | —65 | +27 | +65 | —45 | +46 | —7 |
| | Noakhally ... | —37 | —66 | +50 | +29 | —27 | +97 | —1 |
| | Furreedpore ... | —51 | —38 | +28 | +12 | —32 | —81 | —18 |
| | Dacca ... | —49 | —25 | +37 | +6 | —32 | —64 | —12 |
| | Tipperah ... | —2 | —35 | —10 | +13 | —23 | —31 | —13 |
| | Mymensingh ... | +74 | —27 | —4 | +0 | —26 | —38 | —5 |
| North Bengal. | Pubna ... | +8 | —47 | +20 | —11 | —66 | —79 | —26 |
| | Bogra ... | +28 | —54 | —23 | —2 | —41 | —88 | —27 |
| | Rajshahye ... | —17 | —61 | +11 | —3 | +5 | —72 | —15 |
| | Maldah ... | —24 | —88 | —1 | +32 | —41 | —60 | —26 |
| | Dinagepore ... | +29 | —63 | +15 | +0 | —45 | —84 | —22 |
| | Rungpore .. | +5 | —20 | —30 | —16 | —37 | —94 | —25 |
| | Julpaiguri and Cooch Behar. | —40 | —1 | +14 | —30 | —59 | —84 | —24 |
| | Darjeeling Hill ... | —40 | —29 | +14 | —28 | —23 | —67 | —12 |
| North Behar | Purneah and North Bhagulpur. | +28 | —54 | +37 | —21 | —44 | —99 | —20 |
| | Durbhunga ... | +9 | —26 | +26 | —9 | —42 | —100 | —15 |
| | Mozufferpur ... | —37 | —26 | +51 | +10 | —59 | —100 | —10 |
| | Chumparun ... | —1 | —12 | +32 | —31 | —18 | —100 | —14 |
| | Sarun . ... | —56 | —51 | +3 | +19 | +11 | —100 | —13 |
| South Behar | Shahabad ... | —60 | —71 | +30 | +49 | +10 | —86 | +6 |
| | Gya ... | —79 | —56 | +21 | +111 | —8 | —90 | +20 |
| | Patna ... | —42 | —63 | +57 | +77 | —26 | —98 | +12 |
| | Monghyr and South Bhagulpore. | —13 | —67 | +52 | +69 | —18 | —77 | +11 |
| | Sonthal Pergunnahs... | —37 | —49 | +21 | +87 | —38 | —76 | +1 |
| Chutia Nagpur. | Hazaribagh ... | —71 | —76 | +31 | +101 | —25 | —39 | +15 |
| | Lohardugga ... | —51 | —60 | +40 | +52 | —11 | —92 | +5 |
| | Manbhoom. ... | —34 | —60 | +29 | +36 | —5 | —82 | —2 |
| | Singbhoom ... | —42 | —63 | —16 | +25 | —36 | —100 | —22 |

## TABLE IV.

*Monthly Rainfall of the Sub-divisional Rainfall-recording Stations in the Province of Bengal for the months of May to October* 1888.

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| Orissa ... | Pooree ... | Pooree ... | 4·06 | 2·13 | 3·51 | 14·47 | 6·77 | 2·47 | 33·41 |
| | | Khurdah ... | 1·33 | 3·65 | 7·64 | 15·18 | 10·27 | 0·60 | 38·67 |
| | | Banpur ... | 0·92 | 3·15 | 6·76 | 13·52 | 7·17 | 2·39 | 33·91 |
| | | False Point ... | 1·25 | 2·61 | 16·87 | 18·23 | 8·93 | 3·14 | 51·03 |
| | | *Gop* ... | ? | ? | 9·63 | 21·68 | 9·23 | 1·08 | 41·63 |
| | | *Pipli* ... | ? | ? | 7·35 | ? | 12·48 | ? | 19·83 |
| | Cuttack ... | Jagatsingpore ... | 1·30 | 2·85 | 10·22 | 32·02 | 6·79 | 1·09 | 54·27 |
| | | Banki ... | 0·94 | 4·90 | 9·63 | 17·76 | 7·50 | 1·25 | 41·98 |
| | | Cuttack ... | 3·10 | 1·03 | 8·88 | 25·41 | 10·03 | 1·41 | 49·86 |
| | | Kendrapara ... | 3·48 | 2·57 | 6·75 | 24·69 | 5·22 | 0·55 | 43·26 |
| | | Jajpore ... | 3·19 | 2·42 | 11·85 | 28·34 | 11·02 | 2·05 | 58·87 |
| | | *Dharmsala* ... | 3·25 | 1·05 | 15·58 | 24·78 | 9·65 | 1·30 | 55·61 |
| | | *Salipore* ... | 2·60 | 4·50 | 7·05 | ? | 9·86 | ? | 24·01 |
| | Balasore ... | Chandbali ... | 3·40 | 0·61 | 10·86 | 24·59 | 8·80 | 0·30 | 48·47 |
| | | Bhuddruck ... | 5·23 | 2·57 | 11·14 | 18·48 | 7·81 | 1·21 | 46·44 |
| | | Sorah ... | 6·44 | 3·72 | 9·14 | 17·87 | 9·51 | 1·58 | 48·26 |
| | | Balasore ... | 5·45 | 1·35 | 10·13 | 20·86 | 16·82 | 2·08 | 56·69 |
| | | Jellasore ... | 7·76 | 3·89 | 14·29 | 19·27 | 10·36 | Nil | 55·57 |
| | | Baripodah ... | 6·43 | 4·01 | 14·16 | 18·39 | 9·62 | 0·67 | 53·28 |
| South-West Bengal. | Midnapore ... | Contai ... | 3·78 | 0·93 | 10·95 | 26·05 | 9·63 | 0·93 | 52·27 |
| | | Saugor Island ... | 2·96 | 1·09 | 9·52 | 29·35 | 6·23 | 2·04 | 51·19 |
| | | Tumlook ... | 2·50 | 4·20 | 16·90 | 27·40 | 12·40 | 1·40 | 64·80 |
| | | Midnapore ... | 5·35 | 3·62 | 22·34 | 23·47 | 7·56 | 2·45 | 64·79 |
| | | Ghatal ... | 2·33 | 6·28 | 12·52 | 23·11 | 11·47 | 0·27 | 55·98 |
| | | *Kukrahaty* ... | 3·91 | 2·59 | 16·46 | 29·16 | 9·88 | 2·96 | 64·96 |
| | | *Heria* ... | 5·45 | 0·91 | 14·92 | 18·96 | 10·15 | 1·23 | 51·62 |
| | | *Bhagwanpore* ... | 5·08 | 2·42 | 10·75 | 18·58 | 9·15 | 2·71 | 48·69 |
| | | *Garbeta* ... | 1·30 | 5·66 | 20·44 | 29·78 | 6·76 | 0·22 | 64·16 |
| | 24-Pergunnahs. | Diámond Harbour | 2·19 | 1·28 | 9·60 | 31·12 | 8·79 | 3·51 | 56·49 |
| | | *Canning Town* ... | 2·35 | 3·79 | 14·71 | 25·59 | 9·09 | 0·15 | 55·68 |
| | | Alipore Jail ... | 3·79 | 3·30 | 12·13 | 27·45 | 10·74 | 2·52 | 59·83 |
| | | Barrackpore ... | 3·94 | 6·17 | 18·44 | 21·64 | 6·95 | 1·70 | 58·84 |
| | | Dum-Dum ... | 5·46 | 3·29 | 17·19 | 26·26 | 7·42 | 2·87 | 62·49 |
| | | Baraset ... | 2·55 | 9·71 | 17·50 | 22·83 | 8·76 | 1·76 | 63·11 |
| | | Buseerhat ... | 1·72 | 8·38 | 16·84 | 16·39 | 6·33 | 1·04 | 50·70 |
| | Howrah ... | Howrah ... | 5·02 | 4·62 | 12·87 | 28·82 | 9·00 | 2·37 | 62·70 |
| | | Mehesreka (*Oolberiah*). | 3·42 | 3·58 | 12·56 | 32·21 | 4·81 | 1·82 | 58·40 |
| | Hooghly ... | Serampore ... | 3·93 | 5·80 | 19·93 | 23·32 | 7·82 | 2·52 | 63·32 |
| | | Hooghly ... | 2·89 | 12·09 | 16·34 | 23·95 | 6·19 | 3·51 | 64·97 |
| | | Jehanabad ... | 3·28 | 7·80 | 19·74 | 21·69 | 8·57 | 0·06 | 61·14 |
| | Burdwan ... | Culna ... | 3·21 | 7·17 | 20·38 | 22·61 | 4·64 | 0·53 | 58·54 |
| | | Burdwan ... | 2·19 | 4·75 | 14·13 | 13·74 | 8·64 | 0·71 | 44·16 |
| | | Cutwa ... | 6·35 | 9·26 | 15·24 | 25·64 | 6·45 | 0·48 | 63·42 |
| | | Raneegunge ... | 1·52 | 9·32 | 20·21 | 20·53 | 5·25 | 0·11 | 56·94 |
| | | *Mankur* ... | 3·30 | 2·27 | 19·73 | 13·33 | 5·91 | 0·39 | 44·93 |
| | Bankoora ... | Bankoora ... | 2·98 | 8·49 | 13·54 | 16·47 | 4·47 | 1·72 | 47·67 |
| | | Bishenpore ... | 2·37 | 4·50 | 15·07 | 25·30 | 6·65 | Nil | 53·89 |
| | | Maliara ... | 2·59 | 7·34 | 17·51 | 16·07 | 5·71 | 0·52 | 49·74 |
| | | Khatra ... | 4·51 | 6·84 | 17·01 | 20·02 | 6·32 | Nil | 54·70 |
| | | Indas ... | 3·35 | 5·06 | 14·26 | 13·81 | 4·70 | 0·17 | 41·35 |
| | | Kotalpore ... | 4·06 | 5·39 | 14·98 | 20·96 | 3·48 | Nil | 48·87 |

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal—concld. | Bankoora,—concluded. | Anda ... | 0·75 | 3·87 | 13·26 | 14·51 | 6·22 | 0·20 | 38·81 |
| | | Gangajalghati ... | 1·50 | 7·91 | 20·64 | 18·21 | 5·78 | 1·17 | 55·21 |
| | | *Raipore* ... | 3·55 | 5·54 | 15·86 | 25·77 | 4·60 | Nil | 55·32 |
| | | *Sonamukhi* ... | 3·79 | 4·81 | 17·12 | 15·15 | 4·19 | Nil | 45·06 |
| | Beerbhoom ... | Bh. Soory ... | 3·34 | 6·00 | 15·60 | 21·14 | 6·50 | 1·10 | 53·68 |
| | | Hetampore ... | 2·99 | 4·93 | 12·88 | 22·08 | 3·61 | 0·61 | 47·10 |
| | | Rampore Haut... | 3·37 | 6·92 | 15·67 | 26·03 | 14·62 | 0·80 | 67·41 |
| | | *Bolpore* ... | 2·55 | 6·24 | 21·64 | 22·02 | 15·74 | 3·36 | 71·55 |
| | | Murarai ... | ? | ? | 21·34 | 19·18 | 6·56 | 1·06 | 48·14? |
| | Nuddea ... | Ranaghat ... | 1·96 | 5·24 | 23·77 | 19·88 | 6·84 | 1·26 | 58·95 |
| | | Kishnaghur ... | 2·36 | 7·42 | 21·01 | 26·53 | 5·87 | 5·51 | 68·70 |
| | | Chooadanga ... | 5·33 | 3·91 | 15·93 | 21·55 | 5·60 | 1·72 | 54·04 |
| | | Meherpore ... | 9·02 | 3·90 | 15·45 | 17·90 | 5·39 | 0·40 | 52·06 |
| | | Kooshtea ... | 4·77 | 0·92 | 13·75 | 11·93 | 7·47 | 0·32 | 39·16 |
| | Khoolna ... | Satkhira ... | 0·39 | 4·96 | 14·52 | 11·72 | 5·48 | 0·54 | 37·61 |
| | | Bagirhat ... | 0·81 | 6·89 | 16·88 | 19·60 | 4·40 | 1·39 | 49·97 |
| | | Khoolna ... | 1·40 | 4·96 | 22·10 | 13·06 | 4·94 | 2·10 | 48·56 |
| | Jessore ... | Narail ... | 2·47 | 4·22 | 9·68 | 8·74 | 3·07 | 0·90 | 29·08 |
| | | Jessore ... | 2·97 | 10·70 | 19·57 | 14·50 | 7·35 | 1·08 | 56·17 |
| | | Jhenidah ... | 5·43 | 7·29 | 10·52 | 9·66 | 5·86 | 0·37 | 39·13 |
| | | Magoora ... | 4·90 | 9·62 | 9·38 | 11·70 | 5·52 | 2·72 | 43·84 |
| | | Bongong ... | 1·29 | 4·42 | 21·72 | 12·71 | 5·01 | 3·05 | 48·20 |
| | Moorshedabad. | Kandi ... | 2·41 | 7·12 | 20·68 | 14·58 | 4·33 | 0·67 | 49·79 |
| | | Berhampore ... | 3·20 | 4·22 | 11·89 | 14·93 | 5·25 | 0·63 | 40·12 |
| | | Lalbagh ... | 3·35 | 4·61 | 14·83 | 13·49 | 5·86 | 2·32 | 44·46 |
| | | Amizgunge ... | ? | ? | ? | 12·29 | 6·72 | 2·62 | 48·52 |
| | | Jungipore ... | 3·50 | 4·37 | 10·55 | 15·35 | 8·46 | 3·24 | 45·47 |
| | | Lalgola ... | 3·29 | 6·36 | 11·11 | 18·16 | 12·38 | 0·50 | 51·80 |
| | | Giagunge ... | 3·95 | 6·23 | 16·71 | 11·26 | 7·13 | 2·60 | 47·88 |
| | | *Akhrigunge* ... | 6·05 | 6·54 | 16·36 | 9·62 | 10·92 | 0·59 | 50·08 |
| | | *Patkabari* ... | 6·37 | 7·89 | 16·16 | 10·23 | 3·30 | ? | 43·95? |
| | Chittagong... | Cox's Bazar ... | 10·18 | 12·30 | 61·25 | 45·75 | 7·68 | 10·01 | 147·17 |
| | | Chittagong ... | 13·41 | 9·67 | 29·84 | 37·31 | 14·54 | 4·24 | 109·01 |
| | | *Kutubdia* ... | 8·67 | 12·95 | 42·13 | 37·15 | 4·64 | 12·65 | 118·19 |
| | | *Satkanya* ... | 13·75 | 8·36 | 30·39 | 33·04 | 7·72 | 4·65 | 97·91 |
| | Chittagong Hill Tracts. | Rangamati ... | 6·91 | 8·60 | 13·74 | 32·56 | 9·13 | 5·02 | 75·96 |
| | | Ruma ... | 9·48 | 5·41 | 11·38 | 29·79 | 8·41 | 7·43 | 71·90 |
| | Backergunge. | Patuakhally ... | 2·37 | 6·97 | 32·56 | 32·37 | 4·78 | 8·01 | 87·06 |
| | | Perozepore ... | 2·00 | 8·40 | 20·21 | 21·84 | 7·87 | 0·89 | 61·21 |
| | | Burrisal ... | 3·18 | 6·45 | 21·59 | 21·23 | 5·62 | 8·97 | 67·04 |
| | | Bhola ... | 2·04 | 5·92 | 16·74 | 27·48 | 8·46 | 14·50 | 75·14 |
| | | *Gournaddi* ... | 3·38 | 7·02 | 19·74 | 12·10 | 5·32 | 2·53 | 50·09 |
| | | *Bauphal* ... | 3·40 | 6·81 | 34·41 | 31·54 | 9·10 | 15·35 | 100·61 |
| East Bengal. | Noakholly... | Noakholly ... | 7·72 | 8·89 | 34·09 | 32·45 | 8·68 | 16·89 | 108·72 |
| | | Fenny ... | 5·40 | 9·60 | 35·47 | 30·98 | 16·00 | 8·24 | 105·69 |
| | | *Harishpore* ... | 8·70 | 9·94 | 45·24 | 40·40 | 18·97 | 7·08 | 130·33 |
| | | *Ramganj* ... | 3·66 | 10·05 | 21·97 | 27·19 | 11·61 | 13·86 | 88·34 |
| | Furreedpore | Madaripore ... | 2·84 | 7·67 | 16·72 | 11·59 | 5·16 | 1·08 | 45·06 |
| | | Furreedpore ... | 4·26 | 7·71 | 16·98 | 14·48 | 8·74 | 0·81 | 52·98 |
| | | Goalundo ... | 5·16 | 7·92 | 12·23 | 14·36 | 4·92 | 0·63 | 45·22 |
| | Dacca ... | Munshigunge ... | 3·32 | 11·59 | 22·28 | 12·14 | 10·55 | 1·47 | 61·35 |
| | | Dacca ... | 4·99 | 7·83 | 16·14 | 15·03 | 6·91 | 1·56 | 52·46 |
| | | Naraingunge ... | 4·36 | 13·47 | 22·89 | 12·97 | 6·96 | 2·28 | 62·93 |
| | | Manickgunge .. | 5·61 | 6·29 | 14·43 | 14·69 | 3·94 | 1·03 | 45·99 |
| | | *Joydebpore* ... | 10·54 | 10·45 | 18·28 | 15·20 | 4·03 | 1·15 | 59·65 |
| | Hill Tipperah... | Agartola ... | 14·33 | 10·80 | 8·99 | 14·02 | 6·88 | Nil | 55·02 |

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| East Bengal. | Tipperah ... | Comilla ... | 9·39 | 6·33 | 13·81 | 26·84 | 8·55 | 6·76 | 71·68 |
| | | Chandpore ... | 2·75 | 9·70 | 19·98 | 13·80 | 7·84 | 3·78 | 57·85 |
| | | Brahmunberia ... | 14·66 | 16·71 | 6·80 | 18·28 | 12·18 | 3·61 | 72·24 |
| | | *Ramchandrapore* | 9·03 | 10·09 | 17·11 | 11·83 | 10·45 | 3·58 | 62·09 |
| | | *Nasirnagar* ... | 15·54 | 8·49 | 7·20 | 11·58 | 11·83 | 5·80 | 60·41 |
| | | *Daudkandi* ... | 3·67 | 10·78 | 21·87 | 14·25 | 12·72 | 1·80 | 65·09 |
| | | *Kasba* ... | 10·26 | 15·44 | 6·90 | 14·65 | 8·87 | 2·25 | 58·37 |
| | | *Laksham* ... | 8·36 | 6·91 | 24·16 | 20·67 | 9·41 | 12·01 | 81·52 |
| | Mymensingh ... | Kishoregunge ... | 22·13 | 19·08 | 10·20 | 12·26 | 16·64 | 3·19 | 83·50 |
| | | Atia (*Tangail*) ... | 4·37 | 6·39 | 9·27 | 11·06 | 2·46 | 4·70 | 38·25 |
| | | Mymensingh ... | 21·49 | 9·69 | 9·50 | 15·31 | 12·24 | 4·26 | 72·49 |
| | | Jamalpore ... | 14·57 | 11·05 | 12·82 | 17·49 | 6·92 | 1·73 | 64·58 |
| | | Netrokona ... | 19·76 | 15·95 | 19·26 | 12·98 | 10·58 | 2·54 | 81·07 |
| | | *Subornakhally* ... | 12·35 | 10·64 | 11·98 | 13·59 | 9·52 | 2·17 | 60·25 |
| | | *Durgapore* ... | 19·87 | 19·84 | 27·60 | 23·90 | 12·50 | 7·70 | 111·41 |
| | | *Dewanganj* ... | 16·00 | 8·65 | 12·44 | 12·69 | 4·00 | 3·45 | 57·23 |
| | Pubna ... | Pubna ... | 4·07 | 6·17 | 14·73 | 10·65 | 4·65 | 0·37 | 40·64 |
| | | Serajgunge ... | 11·25 | 5·71 | 10·62 | 10·75 | 2·46 | 1·57 | 42·36 |
| | Bogra ... | Sherepore ... | 8·27 | 3·18 | 9·21 | 12·87 | 6·32 | 1·20 | 41·05 |
| | | Nowkhilla ... | 10·45 | 9·57 | 12·69 | 10·76 | 5·15 | 0·51 | 49·13 |
| | | Bogra ... | 10·63 | 5·41 | 7·88 | 11·72 | 5·69 | 0·27 | 41·60 |
| | | Panchbibi ... | 10·56 | 5·61 | 9·34 | 10·16 | 7·25 | 0·08 | 43·00 |
| | Rajshahye ... | Beauleah ... | 4·00 | 2·58 | 7·70 | 9·21 | 7·75 | 2·10 | 33·34 |
| | | Nattore ... | 6·22 | 5·11 | 18·45 | 14·22 | 16·30 | 0·40 | 60·70 |
| | | *Naogaon* ... | 4·20 | 4·58 | 11·45 | 7·24 | 9·13 | 0·15 | 36·75 |
| | | *Lalpore* ... | 5·16 | 3·96 | 12·10 | 11·04 | 8·81 | 0·38 | 41·45 |
| | | *Manda* ... | 5·04 | 1·59 | 10·05 | 8·59 | 4·44 | 1·58 | 31·29 |
| | Maldah ... | Maldah ... | 2·61 | 1·39 | 14·72 | 21·27 | 6·95 | 1·80 | 48·74 |
| | | Chanchal ... | 4·21 | 1·52 | 9·11 | 10·45 | 5·98 | 1·18 | 32·45 |
| | | *Gajol* ... | 3·89 | 1·90 | 10·84 | 13·12 | 6·80 | 0·24 | 36·79 |
| | | *Sibganj* ... | 3·41 | 3·31 | 19·36 | 11·74 | 7·64 | 0·57 | 46·03 |
| | Dinagepore ... | Mohadebpore ... | 4·82 | 3·72 | 13·16 | 11·98 | 4·12 | 0·85 | 38·65 |
| | | Churamon ... | 4·72 | 2·60 | 11·92 | 14·28 | 10·99 | 0·79 | 45·30 |
| | | Raigunge ... | 7·10 | 6·08 | 17·90 | 10·19 | 7·26 | 0·88 | 49·41 |
| | | Dinagepore ... | 15·18 | 7·86 | 18·40 | 10·55 | 4·90 | Nil | 56·89 |
| | | Baloorghat ... | 9·67 | 5·54 | 8·82 | 10·61 | 3·48 | 0·46 | 38·58 |
| North Bengal. | Rungpore ... | Thakurgaon ... | ? | ? | 16·61 | 10·19 | 8 36 | Nil | 35·16 |
| | | Bhawanigunge (*Gyabanda*). ... | 14·09 | 10·50 | 6·35 | 11·18 | 6·60 | Nil | 48·72 |
| | | Rungpore ... | 11·80 | 11·65 | 7·87 | 13·27 | 7·51 | 0·10 | 52·40 |
| | | Kurigram ... | 11·12 | 30·28 | 11·95 | 8·10 | 13·29 | 1·15 | 75·89 |
| | | Bagdogra (*Nilphamari*). ... | 9·97 | 15·62 | 12·88 | 8·09 | 6·47 | Nil | 53·03 |
| | | *Ulipore* ... | 11·82 | 18·25 | 5·76 | 13·01 | 8·44 | 0·85 | 58·13 |
| | Julpigoree ... | Julpigoree ... | 5·08 | 29·73 | 35·75 | 20·04 | 13·61 | 1·25 | 105·46 |
| | | *Alipore Doar* ... | 7·24 | 33·06 | 18·21 | 12·77 | 11·02 | 0·38 | 82·68 |
| | | *Fallacotta* ... | 6·31 | 30·38 | 26·44 | 15·33 | 11·27 | 2·90 | 92·63 |
| | | *Debiganj* ... | 7·97 | 25·24 | 14·81 | 7·83 | 4·84 | Nil | 60·69 |
| | Cooch Behar | Dinhatta ... | 8·77 | 36·68 | 13·67 | 23·10 | 8·33 | 0·35 | 90·90 |
| | | Cooch Behar ... | 11·63 | 33·09 | 21·90 | 14·58 | 8·14 | 1·56 | 90·90 |
| | | Mickligunge ... | 9·36 | 25·13 | 22·18 | 8·03 | 9·21 | 0·61 | 74·52 |
| | | Matabhanga ... | 5·88 | 28·59 | 19·56 | 14·23 | 5·28 | 1·01 | 74·55 |
| | Darjeeling Hill. | Buxa ... | 11·87 | 42·65 | 42·92 | 30·58 | 23·90 | 5·83 | 157·75 |
| | | Siliguri ... | 8·76 | 23·73 | 27·27 | 12·90 | 10·49 | 2·24 | 85·79 |
| | | Darjeeling ... | 3·88 | 8·53 | 39·42 | 23·01 | 12·00 | 0·08 | 86·92 |
| | | Kalimpong ... | 2·44 | 7·70 | 32·61 | 14·54 | 10·78 | 0·11 | 68·18 |

| Meteorological Division. | District. | Station. | May | June. | July. | August. | September. | October | Total. |
|---|---|---|---|---|---|---|---|---|---|
| North Behar. | Purneah .. | Kissengunge ... | 8·01 | 7·74 | 17·47 | 7·12 | 6·36 | 0·18 | 46·88 |
| | | Arrareah ... | 3·37 | 10·57 | 19·49 | 8·84 | 8·23 | Nil | 50·50 |
| | | Purneah ... | 5·69 | 1·67 | 18·15 | 15·25 | 4·32 | Nil | 45·08 |
| | | *Gonawara* ... | ? | ? | ? | 11·47 | 4·65 | 1·20 | 17·32? |
| | | *Balarampore* ... | ? | 2·00 | 18·05 | 10·39 | 8·41 | 1·68 | 40·53? |
| | | *Motiari* ... | 4·94 | 7·03 | 16·62 | 5·40 | 5·42 | Nil | 39·41 |
| | | *Kaliaganj* ... | 3·04 | 16·67 | 21 62 | 7·72 | 7·51 | 1 10 | 57 66 |
| | North Bhagulpore. | Maddapore ... | 8·89 | 3·08 | 21·37 | 13·11 | 9·83 | Nil | 56·28 |
| | | Soopool ... | 5·59 | 3·21 | 17·60 | 9·76 | 6·10 | Nil | 42·26 |
| | | *Protapganj* ... | 2·19 | 7·10 | 14·27 | 10·46 | 4·57 | Nil | 38·59 |
| | Durbhunga ... | Tajpore ... | 0·90 | 5·47 | 14·35 | 13·02 | 6·06 | Nil | 39·80 |
| | | Durbhunga ... | 3·39 | 6·39 | 14·35 | 6·70 | 4·38 | Nil | 35·21 |
| | | Madhubani ... | 4·26 | 6·04 | 14·94 | 9·83 | 5·65 | Nil | 40·72 |
| | | *Bahera* ... | 4·10 | 5·68 | 18·09 | 16·18 | 6·65 | Nil | 50·70 |
| | | *Roshera* ... | 1·80 | 2·54 | 15·28 | 14·57 | 8·27 | Nil | 42·46 |
| | Mozufferpore | Sitamarhi ... | 2·30 | 5·43 | 15·65 | 5·69 | 2·59 | Nil | 31·66 |
| | | Mozufferpore ... | 1·14 | 8·00 | 18·11 | 9·64 | 3·78 | Nil | 40·67 |
| | | Hajipore ... | 1·28 | 3·10 | 17·93 | 18·05 | 4·82 | Nil | 45·18 |
| | | *Puru* ... | 1·60 | 4·26 | 13·44 | 13·03 | 4·29 | 0·05 | 36·67 |
| | | *Mohua* ... | 0·75 | 2·05 | 14·00 | 14·05 | 4·56 | Nil | 35·41 |
| | | *Sinhar* ... | 2·92 | 3·70 | 7·95 | 6·37 | 7·33 | Nil | 28·27 |
| | | *Pupri* ... | 4·50 | 4·32 | 13·01 | 6·76 | 4·57 | Nil | 33·16 |
| | Chumparun | Motihari ... | 2·74 | 6·94 | 12·30 | 7·22 | 6·71 | Nil | 35·91 |
| | | Bettiah ... | 2·23 | 7·47 | 18·16 | 9·18 | 8·54 | Nil | 45·58 |
| | | *Bagaha* ... | 2·23 | 12·68 | 16·60 | 8·59 | 11·90 | Nil | 52·00 |
| | | *Burhurwa* ... | 1·87 | 6·35 | 15·37 | 11·00 | 4·07 | Nil | 38·66 |
| | Sarun ... | Gopalgunge ... | 1·21 | 4·38 | 11·79 | 11·44 | 7·18 | Nil | 36·00 |
| | | Sewan ... | 0·50 | 3·04 | 11·66 | 12·89 | 12·24 | Nil | 40·33 |
| | | Chuprah ... | 1·06 | 2·09 | 14·43 | 1[illegible]·32 | 5·34 | Nil | 35 24 |
| | Shahabad ... | Buxar ... | 0·87 | 2·52 | 12·11 | 13·39 | 11·25 | 0·60 | 40·74 |
| | | Dehree ... | 0·63 | 1·74 | 15·90 | 15·36 | 7·93 | 1·36 | 42·92 |
| | | Bhubooah ... | 0·50 | 1·37 | 13·37 | 17·13 | 7·20 | Nil | 39·57 |
| | | Sasseram ... | 0·23 | 0·72 | 14·18 | 18·81 | 7·13 | Nil | 41·07 |
| | | Arrah ... | 0·55 | 0·77 | 17·90 | 17·74 | 5·58 | 0·43 | 42·97 |
| | | *Mohaniah* ... | Nil | 3·20 | 8·23 | 14·25 | 8·30 | Nil | 33·98 |
| | Gya ... | Aurungabad ... | 0·88 | 2·25 | 22·04 | 21·11 | 5·97 | 0·71 | 52·96 |
| | | Gya ... | 0·23 | 3·06 | 10·09 | 28·59 | 7·85 | 0·40 | 50·22 |
| | | Nowadah ... | 0·09 | 1·77 | 14·89 | 26·52 | 4·40 | Nil | 47·67 |
| | | Jehanabad ... | 0·27 | 2·71 | 12·07 | 22·96 | 6·66 | 0·03 | 44·70 |
| | | *Arwal* ... | 0·72 | 1·55 | 10·61 | 17·12 | 7·22 | Nil | 37·22 |
| | | *Daudnagar* ... | Nil | 0·70 | 16·58 | 18·15 | 6·28 | Nil | 41·71 |
| | | *Sherghati* ... | Nil | 0·20 | 10·60 | 17·42 | 3·80 | 0·62 | 32·64 |
| | | *Rajauli* ... | Nil | 1·33 | 11·20 | 14·80 | 0·60 | Nil | 27·93 |
| | | *Pakri Barawan* .. | 0·50 | 0·80 | 11·75 | 18·87 | 5·14 | Nil | 37·06 |
| | Patna ... | Patna ... | 0·79 | 2·83 | 15·14 | 17·11 | 3·17 | Nil | 39·04 |
| | | Dinapore ... | 0·95 | 4·61 | 17·60 | 15·53 | 2·70 | Nil | 41·39 |
| | | Behar ... | 1·49 | 0·58 | 20·97 | 24·41 | 3·63 | 0·28 | 51·36 |
| | | Barrh ... | 1·55 | 1·30 | 21·42 | 17·35 | 11·20 | Nil | 52·82 |
| | | *Bickram* ... | 0·50 | 2 00 | 11·10 | 17·05 | 6·35 | Nil | 37·00 |
| | | *Hilsa* ... | 0·91 | 2 29 | 13·62 | 23·78 | 4·69 | 0·15 | 45·44 |
| | Monghyr ... | Beegooserai ... | 1·04 | 2·15 | 16·36 | 18·27 | 7·67 | Nil | 45·49 |
| | | Monghyr ... | 2·98 | 1·24 | 24·95 | 14·12 | 9·95 | 0·03 | 53·27 |
| | | Jamui ... | 1·05 | 3·62 | 13·16 | 25·26 | 4·46 | 1·08 | 48·63 |
| | | *Gogri* ... | 3·10 | 2·52 | 21·17 | 19·67 | 12·04 | Nil | 58·50 |
| | | *Sheikpura* ... | 1·30 | 2·94 | 22·21 | 27·64 | 4·54 | Nil | 58·63 |
| | South Bhagulpore. | Bhagulpore ... | 4·98 | 1·92 | 23·73 | 16·88 | 6·20 | 0·07 | 53·78 |
| | | Banka ... | 0·59 | 2·49 | 10·08 | 19·14 | 4·44 | 2·45 | 39·19 |
| | | *Kolgong* ... | 4·15 | 4·80 | 19·38 | 15·33 | 6·00 | 0·37 | 50·53 |

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| South Behar —*concluded.* | Sonthal Pergunnahs. | Rajmehal ... | 2·87 | 2·50 | 12·77 | 23·59 | 4·37 | Nil. | 46·01 |
| | | Godah ... | 2·84 | 5·09 | 13·17 | 19·65 | 5·91 | 0·83 | 47·49 |
| | | Pakour ... | 3·04 | 5·68 | 20·75 | 19·79 | 11·12 | 1·45 | 61·83 |
| | | Nya Doomka ... | 1·72 | 4·49 | 12·39 | 26·36 | 4·14 | 1·51 | 50·61 |
| | | Deoghur ... | 1·20 | 4·21 | 16·95 | 22·35 | 5·47 | 1·34 | 51·52 |
| | | Jamtara ... | 2·70 | 5·49 | 17·34 | 22·16 | 7·10 | 0·35 | 55·14 |
| | | *Mohagama* ... | ? | 2·48 | 14 22 | 19·46 | 8·44 | Nil. | 44·60 ? |
| | | *Nanihat* .. | 0·29 | 5·59 | 8·21 | 11·84 | 1·20 | 0·65 | 27·78 |
| Chutia Nagpur. | Hazaribagh | Pachamba (*Giridi*) | 2·71 | 2·00 | 16·73 | 23·78 | 5·88 | 4·15 | 55·25 |
| | | Hazaribagh ... | 0·73 | 1·62 | 20·76 | 25·08 | 5·16 | 1·03 | 54 38 |
| | | Semtagurah ... | 0·42 | 0·72 | 22·63 | 21·56 | 7·12 | 1·54 | 53·99 |
| | | Mahudi Hills ... | 0·08 | 2·97 | 12·67 | 25·21 | 10·61 | 2·07 | 53·61 |
| | | Jhoomra Hills ... | Nil. | 2·60 | 15·35 | 37·50 | 6·00 | 0·70 | 62·15 |
| | | *Barhi* ... | 0·06 | 1·67 | 21·93 | 21·80 | 3·05 | 1·04 | 49·55 |
| | | *Chatra* ... | 0·05 | 2·69 | 23·23 | 19·44 | 7·45 | 0·99 | 53·85 |
| | | *Karaudiha* ... | 0·40 | 3·14 | 13·97 | 22·92 | 11·40 | Nil. | 51·63 |
| | | *Ramghar* ... | 1·35 | 2·75 | 11·76 | 24·09 | 5·06 | 1·95 | 46·96 |
| | Lohardugga | Lohardugga ... | 1·08 | 2·87 | 15·89 | 17·42 | 8·21 | 0·35 | 45·82 |
| | | Ranchee ... | 2·57 | 3·05 | 18·98 | 20·70 | 7·88 | 0·35 | 53·53 |
| | | Palamow ... | 0·23 | 3·48 | 19·13 | 20·63 | 7·88 | Nil. | 51·35 |
| | | *Silli* ... | ? | ? | 8·78 ? | 20·70 | 5·90 | Nil. | 35·38 ? |
| | | *Balumat* ... | Nil. | ? | 18·00 | 15·82 | 6·84 | Nil | |
| | | *Hosseinabad* .. | Nil. | Nil. | ? | ? | 4·32 | Nil. | |
| | | *Garwah* ... | Nil. | 2·51 | 18·18 | 22·07 | 3·72 | 0·20 | 46·68 |
| | Singbhoom | Chyebassa ... | 2·40 | 3·04 | 12·06 | 17·25 | 5·32 | 0·05 | 40·12 |
| | | *Chakradharpore* ... | 2·20 | 3·09 | 23·12 | ? | 10·92 | Nil. | 39·33 |
| | | *Ghatsilla* .. | 2·59 | 3·40 | 23·14 | 18·17 | 8·31 | 0·28 | 55·89 |
| | | *Baharagura* ... | 4·72 | 7·73 | 18·47 | 21·83 | 5·80 | Nil. | 58·55 |
| | Manbhoom ... | Purulia ... | 2·19 | 4·17 | 20 47 | 20·97 | 9·13 | 0·05 | 56·98 |
| | | Gobindpore ... | 1·47 | 2·26 | 10·69 | 14·78 | 5·44 | 1·12 | 35·76 |
| | | *Raghunathpore* ... | 2·30 | 2·87 | 16·19 | 24·02 | 7·44 | 1·20 | 54·02 |
| | | *Barrabhoom* ... | 2·84 | 2·76 | 18·91 | 21·87 | 4·79 | 0·09 | 51·26 |
| | | *Jhalda* ... | | | | | | | |
| | | *Chas* ... | | | | | | | |

## TABLE V.

*Variation of the Sub-Divisional actual Monthly Rainfall from the normal average for the months May to October* 1888.

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| Orissa ... | Pooree ... | Pooree ... | +1·40 | - 5·43 | —6·40 | +3·54 | —3·18 | —5·58 | —15·65 |
| | | Khurdah ... | —2·01 | —5·45 | —4·91 | +2·60 | —0·09 | —6·00 | —15·86 |
| | | Banpur ... | —1·23 | —3·97 | —3·81 | +1·67 | —2·17 | —3·50 | —13·01 |
| | | False Point ... | —2·38 | —6·31 | +2·72 | +4·63 | —2·21 | —7·13 | —10·68 |
| | Cuttack ... | Jagatsingpore ... | —1·46 | —4·69 | —0·76 | +20·65 | —1·82 | —5·38 | +6·54 |
| | | Banki ... | —1·22 | —4·92 | —2·42 | +8·28 | —2·25 | —2·81 | —5·34 |
| | | Cuttack ... | —0·17 | —9·47 | —3·72 | +13·77 | +0·33 | —4·04 | —3·10 |
| | | Kendrapara ... | —0·46 | —5·95 | —5·04 | +11·45 | —3·92 | —5·39 | —9·31 |
| | | Jajpore ... | —1·16 | —7·10 | —1·34 | +16·60 | +1·08 | —3·07 | +5·01 |
| | Balasore ... | Chandbali ... | —1·49 | —6·72 | —0·97 | +12·60 | —2·24 | —5·77 | —4·59 |
| | | Bhuddruck ... | +0·06 | —6·11 | —0·95 | +7·26 | —2·69 | —3·22 | —5·65 |
| | | Sorah ... | +1·45 | —2·87 | —2·81 | +6·42 | —1·62 | —3·66 | —3·09 |
| | | Balasore ... | +0·48 | —8·52 | —1·76 | +8·08 | +4·19 | —4·53 | —2·06 |
| | | Jellasore ... | +4·12 | —3·82 | —0·81 | +7·92 | —0·12 | —4·34 | +2·95 |
| | | Baripodah ... | +1·46 | —5·78 | +1·11 | +6·09 | —2·06 | —3·15 | —2·33 |
| | Midnapore... | Contai ... | —0·64 | —9·39 | —3·46 | +11·83 | —2·11 | —7·16 | —10·93 |
| | | Saugor Island ... | —1·51 | —9·77 | —6·46 | +13·34 | —6·33 | —7·02 | —17·75 |
| | | Tumlook ... | —2·30 | —4·72 | +4·65 | +12·84 | +4·07 | —2·79 | +11·75 |
| | | Midnapore ... | +0·03 | —5·90 | +8·44 | +10·95 | —0·63 | —2·47 | +10·42 |
| | | Ghattal ... | —2·81 | —3·51 | —1·10 | +7·06 | +2·49 | —3·05 | —0·92 |
| | | Garbetta ... | —2·88 | —1·04 | +6·94 | +14·82 | —2·56 | —2·42 | +12·86 |
| South-West Bengal. | 24-Pergunnahs ... | Diamond Harbour | —2·80 | —8·07 | —4·93 | +16·12 | —2·22 | —1·54 | —3·44 |
| | | Alipore Jail ... | —1·50 | —6·49 | —1·24 | +13·23 | +0·84 | —1·78 | +3·06 |
| | | Barrackpore ... | —1·23 | —2·72 | +5·95 | +9·07 | —0·49 | —1·63 | +8·95 |
| | | Dum-Dum ... | —0·45 | —6·31 | +5·01 | +12·86 | —1·37 | —1·41 | +8·33 |
| | | Baraset ... | —3·30 | +0·02 | +6·26 | +10·32 | —0·26 | —2·60 | +10·44 |
| | | Buseerhat ... | —4·67 | —2·31 | +4·02 | +3·14 | —2·37 | —3·19 | —5·38 |
| | Howrah ... | Howrah ... | —0·06 | —6·05 | +0·27 | +15·48 | —0·10 | —1·76 | +7·78 |
| | | Mohesreka (*Ootooberiah*). ... | —2·61 | —5·06 | —0·92 | +17·31 | —3·52 | —1·51 | +3·69 |
| | Hooghly ... | Serampore ... | —1·03 | —3·72 | +6·80 | +10·36 | —0·08 | —1·58 | +10·75 |
| | | Hooghly ... | —2·75 | +1·70 | +4·12 | +10·95 | —1·44 | —0·44 | +12·14 |
| | | Jehanabad ... | —1·79 | —1·49 | +6·86 | +5·34 | —1·05 | —4·10 | +3·77 |
| | Burdwan ... | Culna ... | —1·57 | —1·19 | +9·12 | +10·55 | —1·90 | —3·21 | +11·80 |
| | | Burdwan ... | —2·86 | —4·62 | +1·78 | +1·36 | +0·38 | —3·69 | —7·65 |
| | | Cutwa ... | +0·98 | —0·64 | +4·76 | +12·95 | —1·75 | —3·37 | +12·93 |
| | Bankoora .. | Bankoora ... | —0·44 | —1·19 | +0·76 | +4·11 | —4·09 | —2·80 | —3·65 |
| | | Bishenpore ... | —2·60 | —4·95 | +3·01 | +9·36 | —2·40 | —2·40 | +0·02 |
| | | Maliara ... | —0·72 | —1·24 | +3·14 | +1·57 | —0·48 | —2·90 | —0·63 |
| | | Khatra ... | +1·04 | —3·42 | +1·63 | +5·64 | —3·37 | —3·89 | —2·37 |
| | | Raipur ... | —0·73 | —2·23 | +4·38 | +8·33 | —4·72 | —3·34 | +1·69 |
| | Beerbhoom... | Bh. Soory ... | +0·05 | —4·10 | +2·96 | +7·97 | —3·27 | —2·49 | +1·12 |
| | | Hetampore ... | —0·29 | —5·99 | —1·46 | +8·95 | —6·71 | —2·10 | —7·60 |
| | | Rampore Haut... | —0·10 | —2·43 | +4·54 | +12·48 | +3·40 | —2·89 | +15·00 |
| | | Raneegunge ... | —1·57 | +0·89 | +6·15 | +6·59 | —1·89 | —3·13 | +7·04 |
| | Nuddea ... | Ranaghat ... | —3·12 | —4·16 | +12·89 | +6·88 | —0·11 | —2·38 | +10·00 |
| | | Kishnaghur ... | —4·08 | —2·10 | +10·69 | +15·24 | —1·97 | +0·98 | +18·76 |
| | | Chooadanga ... | —2·52 | —5·05 | +5·84 | +9·05 | —4·24 | —2·63 | +0·45 |
| | | Meherpore ... | +3·04 | —5·46 | +5·34 | +5·30 | —2·53 | —3·11 | +2·58 |
| | | Keoshtea ... | —2·29 | —9·64 | +2·73 | —0·03 | —2·49 | —4·41 | —16·13 |

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal —*concld.* | Khoolna ... | Satkira ... | —5·54 | —7·09 | +1·11 | —0·66 | —3·23 | —3·91 | —19·32 |
| | | Bagirhat ... | —5·79 | —5·84 | +2·02 | +6·74 | —5·30 | —3·64 | —11·81 |
| | | Khoolna ... | —4·93 | —7·58 | +10·01 | +0·86 | —4·64 | —1·97 | —8·25 |
| | Jessore ... | Narail ... | —4·09 | —6·60 | +0·59 | —1·79 | —4·01 | —2·24 | —18·14 |
| | | Jessore ... | —4·43 | —2·43 | +7·87 | +2·74 | —1·91 | —4·28 | —2·44 |
| | | Jhenidah ... | —1·04 | —5·16 | +0·77 | —2·89 | —2·85 | —4·21 | —15·38 |
| | | Magoora ... | —2·88 | —2·03 | —0·90 | +1·73 | —2·47 | —1·03 | —7·58 |
| | | Bongong ... | —4·39 | —5·20 | +10·52 | —0·26 | —3·33 | —1·55 | —4·21 |
| | Moorshedabad ... | Kandi ... | —1·99 | —2·24 | +8·06 | +2·83 | —4·54 | —3·03 | —0·91 |
| | | Berhampore ... | —1·67 | —5·26 | +1·50 | +4·02 | —4·38 | —4·57 | —10·36 |
| | | Lalbagh ... | —1·46 | —4·19 | +4·20 | +0·78 | —4·26 | —1·94 | —6·87 |
| | | Azimgunge ... | 0·71 | —2·67 | +6·00 | —0·39 | —2·81 | —2·30 | —2·88 |
| | | Jungipore ... | —1·32 | —4·16 | —0·42 | +3·56 | —2·18 | —0·25 | —4·77 |
| | | Lalgola ... | —2·17 | —2·68 | —0·13 | +6·69 | +2·67 | —3·63 | +0·75 |
| | Chittagong ... | Cox's Bazar ... | —0·20 | —20·79 | +19·94 | +17·69 | —7·03 | +2·13 | +11·74 |
| | | Chittagong ... | +4·22 | —13·26 | +7·71 | +16·12 | +0·79 | —1·72 | +13·86 |
| | Chittagong Hill Tracts. | Rangamati ... | —2·98 | —9·42 | —5·04 | +13·62 | —3·43 | —1·83 | —9·08 |
| | | Ruma ... | +0·60 | —14·47 | —4·37 | +14·24 | —3·97 | +0·03 | —7·94 |
| East Bengal. | Backergunge | Patuakhally ... | —5·60 | —14·47 | +10·43 | +14·42 | —8·07 | +1·90 | —1·39 |
| | | Perozepore ... | —4·76 | —7·58 | +3·75 | +6·71 | —3·28 | —4·60 | —9·76 |
| | | Burrisal ... | —4·42 | —10·06 | +4·81 | +8·04 | —5·82 | +4·19 | —3·26 |
| | | Bhola ... | —4·77 | —14·27 | —1·72 | +8·40 | —3·35 | +8·24 | —7·47 |
| | Noakholly ... | Noakholly ... | —1·72 | —14·78 | +12·73 | +9·23 | —7·64 | +9·21 | +7·03 |
| | | Fenny ... | —5·10 | —16·63 | +11·83 | +6·39 | —6·01 | +2·10 | —1·42 |
| | Furreedpore | Madaripore ... | —5·98 | —5·42 | +4·13 | —0·61 | —3·14 | —2·94 | —13·96 |
| | | Furreedpore ... | —4·17 | —5·14 | +4·31 | +2·27 | —0·65 | —3·51 | —6·89 |
| | | Goaluntlo ... | —2·27 | —3·15 | +0·34 | +2·82 | —3·19 | —3·97 | —9·42 |
| | Dacca ... | Munshigunge ... | —5·73 | —4·70 | +6·16 | —2·58 | —1·65 | —3·77 | —12·27 |
| | | Dacca ... | —4·04 | —5·17 | +3·24 | +2·66 | —3·04 | —3·53 | —9·88 |
| | | Naraingunge ... | —3·27 | +0·37 | +7·28 | +1·52 | —3·59 | —1·59 | +0·72 |
| | | Manickgunge ... | —3·05 | —3·33 | +2·32 | +2·98 | —3·94 | —2·75 | —7·77 |
| | Hill Tiperah | Agartola ... | +3·33 | —3·41 | —2·64 | +0·25 | —3·27 | —4·45 | —10·19 |
| | | Comilla ... | —0·98 | —12·01 | —4·09 | +10·07 | —2·88 | +1·52 | —8·37 |
| | Tiperah ... | Chandpore ... | —6·37 | —7·51 | +4·51 | —6·31 | —3·98 | —2·28 | —21·94 |
| | | Brahmanberia ... | +3·64 | +1·18 | —4·37 | +5·32 | +0·57 | —1·08 | +5·26 |
| | Mymensingh | Kishoregunge ... | +11·28 | +0·22 | —2·73 | —0·86 | +4·40 | —1·99 | +10·32 |
| | | Atia ... | —2·52 | —6·38 | —1·90 | —0·90 | —7·01 | —0·20 | —18·91 |
| | | Mymensingh ... | +9·47 | —10·90 | —6·59 | +0·79 | —1·79 | —1·13 | —10·15 |
| | | Jamalpore ... | +5·45 | —4·19 | +0·35 | +3·78 | —6·78 | —3·13 | —4·52 |
| | | Netrokona ... | +8·14 | —2·44 | +5·69 | —2·94 | —3·18 | —3·54 | +1·73 |
| North Bengal. | Pubna ... | Pubna ... | —2·74 | —5·37 | +4·02 | —2·02 | —6·41 | —4·20 | —16·72 |
| | | Serajgunge ... | +3·42 | —5·39 | —0·33 | —0·47 | —7·02 | —2·72 | —12·51 |
| | Bogra ... | Sherpore ... | —0·20 | —8·53 | —3·50 | +0·58 | —3·62 | —2·75 | —18·02 |
| | | Nowkhilla ... | +2·66 | —3·07 | +1·22 | —0·04 | —4·27 | —4·25 | —7·75 |
| | | Bogra ... | +1·84 | —9·68 | —7·95 | —0·54 | —6·07 | —4·26 | —26·66 |
| | | Panchbibi ... | +2·91 | —5·42 | —3·06 | —1·27 | —3·16 | —3·91 | —13·91 |
| | Rajshahye ... | Beauleah ... | —1·59 | —7·93 | —3·79 | —1·53 | —3·10 | —2·67 | —20·61 |
| | | Nattore ... | —0·57 | —4·87 | +6·25 | +1·90 | +4·57 | —3·86 | +3·42 |
| | Maldah ... | Maldah ... | —1·26 | —8·44 | +3·98 | +11·00 | —3·83 | —2·43 | —0·98 |
| | | Chanchal ... | —0·59 | —10·13 | —3·16 | —3·33 | —4·27 | —1·84 | —23·32 |

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| North Bengal—*concld.* | Dinagepore | Mohadebpore ... | —1·98 | —8·42 | +2·15 | —1·23 | —7·22 | —2·18 | —18·88 |
| | | Churamon ... | —0·43 | —9·41 | +0·20 | +3·32 | —1·01 | —1·85 | —9·18 |
| | | Raigunge ... | +0·71 | —7·66 | +5·21 | —2·36 | —3·09 | —2·68 | —9·87 |
| | | Dinagepore ... | +7·25 | —8·98 | +3·41 | —2·66 | —7·72 | —4·72 | —13·42 |
| | | Baloorghat ... | +3·17 | —5·97 | —1·45 | +1·18 | —6·06 | —2·79 | —11·92 |
| | Rungpore ... | Bhawanigunge (*Gyabanda*). | +4·98 | —5·19 | —5·56 | +0·89 | —5·07 | —4·83 | —14·78 |
| | | Rungpore ... | +1·13 | —9·38 | —7·90 | +0·27 | —5·55 | —4·66 | —26·09 |
| | | Kurigram ... | —2·46 | +6·27 | —1·42 | —2·76 | +0·58 | —3·03 | —2·82 |
| | | Bagdogra (*Nilphamari*). | —1·90 | —9·71 | —0·70 | —7·08 | —8·36 | —3·89 | —31·64 |
| | Julpigoree ... | Julpigoree ... | —6·40 | +0·61 | +9·69 | —5·87 | —9·98 | —4·00 | —15·95 |
| | Cooch Behar | Dinhatta ... | —5·60 | +5·45 | —2·52 | +7·40 | —12·87 | —4·39 | —12·53 |
| | | Cooch Behar ... | —2·94 | —3·53 | —0·45 | —6·45 | —13·32 | —3·65 | —30·34 |
| | | Mickligunge ... | —3·65 | —2·38 | +0·94 | —13·99 | —13·68 | —3·60 | —36·36 |
| | | Matabhanga ... | —7·08 | —3·64 | —1·62 | —8·12 | —17·46 | —4·23 | —42·15 |
| | Darjeeling Hill. | Buxa ... | —9·06 | —1·54 | —4·76 | —13·02 | —7·95 | —4·13 | —40·46 |
| | | Siliguri ... | —0·86 | —1·03 | +2·01 | —9·45 | —8·58 | —2·30 | —15·21 |
| | | Darjeeling ... | —3·69 | —15·49 | +9·06 | —3·66 | —5·42 | —6·02 | —25·22 |
| | | Kalimpong ... | —3·65 | —9·93 | +10·49 | —6·64 | +0·18 | —4·12 | —13·67 |
| | Purneah ... | Kissengunge ... | +1·59 | —7·65 | +0·98 | —8·59 | —7·43 | —2·95 | —24·05 |
| | | Arrareah ... | —2·40 | —2·42 | +3·31 | —4·66 | —5·05 | —3·33 | —14·55 |
| | | Purneah ... | +1·20 | —9·19 | +4·02 | +0·85 | —9·15 | —3·76 | —16·03 |
| | North Bhagulpore. | Maddapore ... | +4·58 | —5·25 | +9·36 | +1·25 | —0·46 | —4·32 | +5·16 |
| | | Soopool ... | +1·61 | —5·76 | +6·26 | —2·12 | —3·30 | —2·72 | —6·03 |
| | Durbhunga | Tajpore ... | —1·37 | —1·99 | +2·04 | +2·53 | —1·94 | —3·00 | —3·73 |
| | | Durbhunga ... | +0·77 | —1·45 | +2·33 | —4·44 | —4·95 | —2·82 | —10·56 |
| | | Madhubani ... | +1·23 | —2·41 | +4·10 | —0·64 | —4·25 | —2·48 | —4·45 |
| North Behar. | Mozufferpore | Sitamarhi ... | —0·34 | —2·41 | +4·78 | —3·83 | —6·66 | —2·65 | —11·11 |
| | | Mozufferpore ... | —1·22 | +1·19 | +7·17 | —0·61 | —4·45 | —2·87 | —0·79 |
| | | Hajipore ... | —0·75 | —3·44 | +5·72 | +7·41 | —2·28 | —3·76 | +2·90 |
| | Chumparun | Motihari .. | +0·30 | —1·31 | +1·34 | —5·01 | —1·98 | —3·56 | —10·22 |
| | | Bettiah ... | —0·43 | —0·88 | +5·17 | —2·94 | —0·78 | —3·38 | —3·24 |
| | Sarun ... | Gopalgunge ... | —1·50 | —2·04 | —1·01 | +0·69 | +0·25 | —5·01 | —8·62 |
| | | Sewan ... | —1·30 | —3·62 | —0·02 | +2·00 | +3·41 | —3·81 | —3·34 |
| | | Chuprah ... | —0·38 | —4·08 | +4·08 | +2·97 | —1·87 | —2·93 | —2·21 |
| South Behar. | Shahabad ... | Buxar ... | —0·12 | —2·24 | +1·04 | +3·33 | +3·82 | —2·60 | +3·23 |
| | | Dehree ... | —1·02 | —1·46 | +4·25 | +3·87 | +0·15 | —1·62 | +4·17 |
| | | Bhubooah ... | —0·62 | —3·69 | +1·00 | +5·13 | +0·50 | —3·11 | —0·79 |
| | | Sasseram ... | —0·89 | —4·28 | +2·60 | +6·56 | +0·18 | —3·48 | +0·69 |
| | | Arrah ... | —0·98 | —5·68 | +5·28 | +7·39 | —2·77 | —2·51 | —0·73 |
| | Gya ... | Aurungabad ... | —0·75 | —2·96 | +9·65 | +8·13 | —1·18 | —1·93 | +10·96 |
| | | Gya ... | —1·02 | —3·07 | —1·22 | +17·98 | +0·70 | —1·94 | +11·43 |
| | | Nowadah ... | —1·82 | —3·59 | +3·02 | +15·04 | —2·44 | —2·50 | +7·71 |
| | | Jehanabad ... | —1·38 | —2·20 | —0·16 | +10·06 | +0·94 | —3·30 | +3·96 |
| | Patna ... | Patna ... | —0·95 | —3·89 | +4·54 | +7·11 | —4·70 | —2·81 | —0·70 |
| | | Dinapore .. | —0·70 | —1·79 | +5·89 | +4·63 | —3·92 | —3·00 | +0·51 |
| | | Behar ... | —0·67 | —5·59 | +7·93 | +13·08 | —2·75 | —2·78 | +9·22 |
| | | Barrh ... | —0·77 | —3·58 | +8·69 | +7·55 | +3·32 | —3·03 | +12·18 |
| | Monghyr ... | Beegooserai ... | —1·31 | —3·86 | +4·97 | +7·94 | +0·38 | —3·00 | +5·12 |
| | | Monghyr ... | +0·86 | —5·35 | +13·23 | +3·40 | +1·51 | —3·78 | +9·87 |
| | | Jamui ... | —1·08 | —2·73 | +0·86 | +13·12 | —2·83 | —1·45 | +5·89 |

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total |
|---|---|---|---|---|---|---|---|---|---|
| South Behar —*concld.* | South Bhagulpore. | Bhagulpore ... | +2·31 | —6·22 | +12·17 | +6·08 | —1·72 | —3·86 | +8·76 |
| | | Banka ... | —1·98 | —5·01 | —0·34 | +7·09 | —3·59 | —0·98 | —4·81 |
| | Sonthal Pergunnahs. | Rajmehal ... | —2·06 | —7·52 | —0·14 | +12·87 | —7·49 | —3·03 | —7·37 |
| | | Godda ... | —0·71 | —1·61 | +1·96 | +7·70 | —3·62 | —2·11 | —1·69 |
| | | Pakour ... | —1·88 | —4·98 | +7·88 | +6·33 | —1·41 | —2·72 | +3·22 |
| | | Nya Doomka ... | —1·91 | —4·30 | —1·10 | +12·29 | —6·13 | —2·37 | —3·52 |
| | | Deoghur ... | —1·81 | —3·91 | +3·31 | +9·98 | —3·07 | —3·02 | +1·56 |
| | | Jamtara ... | —0·69 | —2·41 | +3·80 | +8·92 | —0·73 | —2·68 | +6·21 |
| Chutia Nagpur. | Hazaribagh | Pachamba ... | +0·46 | —5·84 | +3·44 | +10·84 | —2·78 | +0·94 | +7·06 |
| | | Hazaribagh ... | —0·99 | —6·32 | +7·75 | +11·94 | —2·66 | —2·26 | +7·46 |
| | | Semtagurah ... | —2·30 | —6·98 | +9·78 | +8·75 | —0·96 | —1·42 | +6·87 |
| | | Mahudi Hills ... | —2·13 | —3·61 | +0·25 | +10·52 | +1·70 | —6·84 | —0·11 |
| | | Jhoomrah Hills | —3·16 | —7·18 | —1·95 | +19·65 | —5·31 | —2·54 | —0·49 |
| | Lohardugga | Lohardugga ... | —1·81 | —4·80 | +2·88 | +3·74 | —1·46 | —1·96 | —3·41 |
| | | Ranchee ... | +0·21 | —4·59 | +6·56 | +8·43 | —0·31 | —2·70 | +7·60 |
| | | Palamow ... | —1·12 | —2·43 | +6·22 | +8·60 | —0·07 | —2·66 | +8·54 |
| | Singbhoom ... | Chyebassa ... | —1·42 | —4·97 | —1·94 | +3·47 | —3·06 | —2·89 | —10·81 |
| | Manbhoom... | Purulia ... | —0·57 | —4·60 | +9·03 | +8·01 | +1·33 | —3·55 | +9·65 |
| | | Gobindpore ... | —0·53 | —4·74 | —1·18 | +2·29 | —1·78 | —2·88 | —8·83 |

## TABLE VI.

*Percentage variation of the montnly Rainfall of the Sub-divisional Rainfall-registering Stations in Bengal, from the normal average rainfall for the months May to October* 1888.

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| | Pooree | Pooree ... | + 53 | — 72 | — 65 | + 32 | —32 | — 69 | —34 |
| | | Khurdah ... | — 60 | — 60 | — 39 | + 21 | — 1 | — 91 | —29 |
| | | Banpur ... | — 57 | — 56 | — 36 | + 17 | —23 | — 59 | —28 |
| | | False Point ... | — 66 | — 71 | + 19 | + 34 | —20 | — 69 | —17 |
| | Cuttack | Jagatsingpore ... | — 53 | — 62 | — 7 | + 2 | —21 | — 83 | +14 |
| | | Banki ... | — 56 | — 50 | — 20 | + 87 | —23 | — 69 | —11 |
| | | Cuttack ... | — 5 | — 90 | — 28 | +118 | + 3 | — 74 | — 6 |
| | | Kendrapara ... | — 12 | — 70 | — 43 | + 86 | —43 | — 91 | —18 |
| | | Jajpore ... | — 27 | — 75 | — 10 | +141 | +11 | — 60 | + 9 |
| | Balasore | Chandbali ... | — 3·) | — 92 | — 8 | +106 | —20 | — 95 | — 9 |
| | | Bhuddruck ... | + 1 | — 70 | — 8 | + 65 | —26 | — 73 | —11 |
| | | Soorah ... | + 29 | — 44 | — 24 | + 56 | —15 | — 70 | — 6 |
| | | Balasore ... | + 10 | — 86 | — 15 | + 63 | +33 | — 69 | — 4 |
| | | Jellasore ... | +113 | — 50 | — 5 | + 70 | — 1 | —100 | + 6 |
| | | Baripodah ... | + 29 | — 59 | + 9 | + 50 | —18 | — 82 | — 4 |
| | Midnapore | Contai ... | — 14 | — 91 | — 24 | + 83 | —18 | — 89 | —17 |
| | | Saugor Island ... | — 34 | — 90 | — 40 | + 83 | —50 | — 77 | —26 |
| | | Tumlook ... | — 48 | — 53 | + 38 | + 88 | +49 | — 67 | +22 |
| | | Midnapore ... | + 1 | — 62 | + 61 | + 87 | — 8 | — 50 | +19 |
| | | Ghatal ... | — 55 | — 36 | — 8 | + 44 | +28 | — 92 | — 2 |
| | | Garbetta ... | — 69 | — 16 | + 51 | + 99 | —27 | — 92 | +25 |
| | 24-Pergunnahs. | Diamond Harbour | — 56 | — 86 | — 34 | +107 | —20 | — 30 | — 6 |
| | | Alipore Jail ... | — 28 | — 66 | — 9 | + 93 | + 8 | — 41 | + 5 |
| | | Barrackpore ... | — 24 | — 31 | + 48 | + 72 | — 7 | — 49 | +18 |
| | | Dum-Dum ... | — 8 | — 66 | + 41 | + 96 | —16 | — 33 | +15 |
| | | Baraset ... | — 57 | 0 | + 56 | + 82 | — 3 | — 60 | +20 |
| | | Buseerhat ... | — 73 | — 22 | + 31 | + 24 | —27 | — 75 | —10 |
| | Howrah | Howrah ... | — 1 | — 57 | + 2 | +116 | — 1 | — 43 | +14 |
| | | Mohesreka (*Oolberiah.*) | — 43 | — 59 | — 7 | +116 | —42 | — 45 | + 7 |
| TH-WEST GAL. | Hooghly | Serampore ... | — 21 | — 39 | + 52 | + 80 | — 1 | — 39 | +20 |
| | | Hooghly ... | — 49 | + 16 | + 34 | + 84 | —19 | — 11 | +23 |
| | | Jehanabad ... | — 35 | — 16 | + 53 | + 33 | —11 | — 99 | + 7 |
| | Burdwan | Culna ... | — 33 | — 14 | + 81 | + 87 | —29 | — 86 | +25 |
| | | Burdwan ... | — 57 | — 49 | + 14 | + 11 | + 5 | — 84 | —15 |
| | | Cutwa ... | + 18 | — 6 | + 45 | +102 | —21 | — 88 | +26 |
| | Bankoora | Bankoora ... | — 13 | — 12 | + 6 | + 33 | —48 | — 62 | — 7 |
| | | Bishenpore ... | — 52 | — 52 | + 25 | + 59 | —27 | —100 | 0 |
| | | Maliara ... | — 22 | — 14 | + 22 | + 11 | — 8 | — 85 | — 1 |
| | | Khatra ... | + 30 | — 33 | + 11 | + 39 | —35 | —100 | — 4 |
| | | Raipur ... | — 17 | — 29 | + 38 | + 48 | —51 | —100 | + 3 |
| | Beerbhoom | Bh. Soory ... | + 2 | — 41 | + 23 | + 61 | —33 | — 69 | + 2 |
| | | Hetampore ... | — 9 | — 55 | — 10 | + 68 | —65 | — 78 | —14 |
| | | Rampore Haut ... | — 3 | — 26 | + 41 | + 92 | +30 | — 78 | +29 |
| | | Raneegunge ... | — 51 | + 11 | + 44 | + 47 | —26 | — 97 | +14 |
| | Nuddea | Ranaghat ... | — 61 | — 44 | +118 | +53 | — 2 | — 65 | +20 |
| | | Kishnaghur ... | — 63 | — 22 | +104 | +135 | —25 | + 22 | +38 |
| | | Chooadanga ... | — 32 | — 56 | + 58 | +72 | —43 | — 60 | + 1 |
| | | Meherpore ... | + 51 | — 58 | + 53 | +42 | —32 | — 89 | + 5 |
| | | Kooshtea ... | — 32 | — 91 | + 25 | — 0 | —25 | — 93 | —29 |

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total |
|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal—*concld.* | Khoolna ... | Satkira ... | —93 | —59 | +8 | —5 | —37 | —88 | |
| | | Bagirhat ... | —88 | —46 | +14 | +52 | —55 | —72 | |
| | | Khoolna ... | —78 | —60 | +84 | +7 | —48 | —48 | |
| | Jessore ... | Narail ... | —62 | —61 | +6 | —17 | —57 | —71 | |
| | | Jessore ... | —60 | —18 | +67 | +23 | —21 | —80 | |
| | | Jhenidah ... | —16 | —41 | +8 | —23 | —33 | —92 | |
| | | Magoora ... | —37 | —18 | —9 | +17 | —31 | —27 | |
| | | Bongong ... | —77 | —54 | +94 | —2 | —40 | —34 | |
| | Moorshedabad. | Kandi ... | —45 | —24 | +64 | +24 | —51 | —82 | |
| | | Berhampore ... | —34 | —55 | +14 | +37 | —45 | —88 | |
| | | Lalbagh ... | —30 | —48 | +40 | +6 | —42 | —46 | |
| | | Azimgunge ... | —15 | —30 | +56 | —3 | —29 | —47 | |
| | | Jungipore ... | —27 | —49 | —4 | +30 | —20 | —7 | |
| | | Lalgolah ... | —40 | —30 | —1 | +58 | +27 | —88 | |
| East Bengal. | Chittagong ... | Cox's Bazar ... | —2 | —63 | +48 | +63 | —48 | +27 | |
| | | Chittagong ... | +46 | —58 | +35 | +76 | +6 | —29 | |
| | Chittagong Hill Tracts. | Rangamati ... | —30 | —52 | —27 | +72 | —27 | —27 | |
| | | Ruma ... | +7 | —73 | —28 | +92 | —32 | +0 | |
| | Backergunge | Patuakhally ... | —70 | —67 | +47 | +80 | —63 | +31 | |
| | | Perozepore ... | —70 | —47 | +53 | +44 | —29 | —84 | |
| | | Burrisal ... | —58 | —61 | +29 | +61 | —51 | +88 | |
| | | Bhola ... | —70 | —71 | —9 | +44 | —28 | +132 | |
| | Noakholly ... | Noakholly ... | —18 | —62 | +60 | +40 | —47 | +120 | |
| | | Penny ... | —49 | —63 | +50 | +26 | —0 | +34 | |
| | Furreedpore | Madaripore ... | —68 | —41 | +33 | —5 | —38 | —73 | |
| | | Furreedpore ... | —49 | —40 | +34 | +19 | —7 | —81 | |
| | | Goalundo ... | —31 | —28 | +3 | +24 | —39 | —86 | |
| | Dacca ... | Munshigunge ... | —63 | —29 | +38 | —18 | —14 | —72 | |
| | | Dacca ... | —45 | —40 | +25 | +22 | —31 | —69 | |
| | | Naraingunge ... | —43 | +3 | +47 | +13 | —34 | —41 | |
| | | Maniekgunge ... | —35 | —34 | +19 | +25 | —50 | —73 | |
| | Hill Tipperah... | Agartolah ... | +30 | —24 | —23 | +2 | —32 | —100 | |
| | Tipperah ... | Comilla ... | —9 | —65 | —23 | +60 | —25 | +29 | |
| | | Chandpore ... | —70 | —44 | +29 | —31 | —34 | —38 | |
| | | Brahmunberia ... | +33 | +8 | —39 | +41 | +5 | —23 | |
| | Mymensingh | Kishoregunge ... | +104 | +1 | —21 | —6 | +36 | —38 | |
| | | Atia ... | —37 | —50 | —17 | —8 | —74 | —4 | |
| | | Mymensingh ... | +79 | —53 | —41 | +5 | —13 | —21 | |
| | | Jamalpore ... | +60 | —27 | +3 | +28 | —49 | —64 | |
| | | Netrokona ... | +70 | —13 | +42 | —18 | —23 | —58 | |
| North Bengal. | Pubna ... | Pubna ... | —40 | —47 | +38 | —16 | —58 | —92 | |
| | | Serajgunge ... | +44 | —48 | —3 | —4 | —74 | —63 | |
| | Bogra ... | Sherpore ... | —2 | —73 | —28 | +5 | —36 | —70 | |
| | | Nowkhilla ... | +34 | —24 | +11 | —0 | —45 | —89 | |
| | | Bogra ... | +21 | —64 | —52 | —4 | —52 | —94 | |
| | | Panchbibi ... | +36 | —49 | —25 | —11 | —30 | —98 | |
| | Rajshahye ... | Beauleah ... | —28 | —75 | —33 | —14 | —29 | —56 | |
| | | Nattore ... | —8 | —49 | +51 | +15 | +39 | —91 | |
| | Maldah ... | Maldah ... | —33 | —86 | +37 | +107 | —35 | —57 | |
| | | Chanchal ... | —12 | —87 | —25 | —24 | —42 | —61 | |

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| | Dinagepore | Mohadebpore ... | −29 | −69 | +20 | −9 | −64 | −72 | −33 |
| | | Churamon ... | −8 | −78 | +2 | +30 | −8 | −70 | −17 |
| | | Raigunge ... | +11 | −56 | +41 | −19 | −30 | −75 | −16 |
| | | Dinagepore ... | +91 | −53 | +23 | −20 | −61 | −100 | −19 |
| | | Baloorghat ... | +49 | −52 | −14 | +13 | −64 | −86 | −24 |
| | Rungpore ... | Bhawanigunge (*Gyabanda*) ... | +55 | −33 | −47 | +9 | −43 | −100 | −23 |
| | | Rungpore ... | +11 | −45 | −50 | +2 | −42 | −94 | −33 |
| | | Kurigram ... | −18 | +26 | −42 | −25 | +5 | −73 | −4 |
| | | Bagdogra (*Nilphamari*) ... | −16 | −42 | −5 | −47 | −56 | −100 | −37 |
| | Julpigoree ... | Julpigoree ... | −56 | +2 | +37 | −23 | −42 | −76 | −13 |
| | Cooch Behar | Dinhatta ... | −39 | +17 | −16 | +47 | −61 | −93 | −12 |
| | | Cooch Behar ... | −20 | −9 | −2 | −30 | −62 | −70 | −25 |
| | | Mickligunge ... | −28 | −9 | +4 | −64 | −59 | −85 | −32 |
| | | Matabhanga ... | −55 | −11 | −8 | −36 | −77 | −81 | −37 |
| | Darjeeling Hill | Buxa ... | −43 | −3 | −10 | −30 | −25 | −42 | −21 |
| | | Siliguri ... | −9 | −4 | +8 | −42 | −25 | −53 | −15 |
| | | Darjeeling ... | −49 | −64 | +30 | −14 | −31 | −99 | −22 |
| | | Kalimpong ... | −60 | −56 | +47 | −31 | +2 | −97 | −17 |
| | Purneah ... | Kissengunge ... | +25 | −43 | +6 | −54 | −54 | −94 | −33 |
| | | Arrareah ... | −42 | −11 | +20 | −34 | −38 | −100 | −21 |
| | | Purneah ... | +27 | −85 | +28 | +6 | −68 | −100 | −26 |
| | North Bhagulpore. | Maddapore ... | +106 | −63 | +78 | +11 | −4 | −100 | +29 |
| | | Soopool ... | +40 | −64 | +55 | −18 | −35 | −100 | −10 |
| | Durbhunga | Tajpore ... | −60 | −27 | +17 | +24 | −24 | −100 | −8 |
| | | Durbhunga ... | +29 | −18 | +19 | −34 | −53 | −100 | −23 |
| | | Madhubani ... | +40 | −29 | +38 | −6 | −43 | −100 | −92 |
| | Mozufferpore | Sitamarhi ... | −13 | −31 | +44 | −40 | −72 | −100 | −26 |
| | | Mozufferpore ... | −52 | +17 | +66 | −6 | −54 | −100 | −2 |
| | | Hajipore ... | −37 | −53 | +47 | +70 | −72 | −100 | +7 |
| | Chumparun | Motihari ... | +12 | −16 | +12 | −41 | −23 | −100 | −22 |
| | | Bettiah ... | −16 | −11 | +40 | −24 | −8 | −87 | −7 |
| | Sarun ... | Gopalgunge ... | −55 | −32 | −8 | +6 | +4 | −100 | −19 |
| | | Sewan ... | −72 | −54 | 0 | +18 | +39 | −100 | −8 |
| | | Chuprah ... | −26 | −66 | +39 | +32 | −26 | −100 | −6 |
| | Shahabad ... | Buxar ... | −12 | −47 | +9 | +33 | +51 | −81 | +9 |
| | | Dehree ... | −62 | −46 | +36 | +34 | +2 | −54 | +11 |
| | | Bhubooah ... | −55 | −73 | +8 | +43 | +7 | −100 | −2 |
| | | Sasseram ... | −79 | −86 | +22 | +54 | +3 | −100 | +2 |
| | | Arrah ... | −64 | −88 | +42 | +71 | −33 | −85 | −2 |
| | Gya ... | Aurungabad ... | −46 | −57 | +78 | +63 | +17 | −73 | +26 |
| | | Gya ... | −82 | −50 | −11 | +169 | +10 | −83 | +29 |
| | | Nowadah ... | −95 | −67 | +25 | +131 | −36 | −100 | +11 |
| | | Jehanabad ... | −84 | −45 | −1 | +78 | +16 | −99 | +10 |
| | Patna ... | Patna ... | −55 | −58 | +43 | +71 | −60 | −100 | −2 |
| | | Dinapore ... | −42 | −28 | +50 | +35 | −59 | −100 | +1 |
| | | Behar ... | −31 | −91 | +61 | +115 | −43 | −91 | +22 |
| | | Barrh ... | −33 | −73 | +68 | +77 | +42 | −100 | +30 |
| | Monghyr ... | Begooserai ... | −56 | −64 | +44 | +77 | +5 | −100 | +13 |
| | | Monghyr ... | +41 | −81 | +113 | +32 | +18 | −99 | +23 |
| | | Jamui ... | −51 | −43 | +7 | +108 | −39 | −57 | +14 |

| Meteorological Division. | District. | Station. | May. | June. | July. | August. | September. | October. | Tor |
|---|---|---|---|---|---|---|---|---|---|
| South Behar.—*concld.* | South Bhagulpore. | Bhagulpore ... | +87 | —76 | +105 | +56 | —22 | —98 | + |
| | | Banka ... | —77 | —68 | —3 | +66 | —45 | —29 | — |
| | Sonthal Pergunnahs. | Rajmehal ... | —42 | —75 | —1 | +121 | —63 | —100 | — |
| | | Godda ... | —20 | —24 | +17 | +64 | —38 | —72 | — |
| | | Pakour ... | —38 | —47 | +61 | +47 | —11 | —65 | — |
| | | Nya Doomka ... | —53 | —49 | —8 | +87 | —60 | —61 | — |
| | | Deoghur ... | —60 | —48 | +24 | +81 | —36 | —69 | — |
| | | Jamtara ... | —20 | —31 | +28 | +67 | —9 | —88 | + |
| Chutia Nagpur. | Hazaribagh | Pachamba ... | +20 | —74 | +26 | +84 | —32 | +29 | — |
| | | Hazaribagh ... | —56 | —80 | +60 | +91 | —34 | —69 | — |
| | | Semtagurah ... | —85 | —91 | +76 | +68 | —12 | —48 | — |
| | | Mahudi Hills ... | —96 | —55 | +2 | +7 | +19 | —77 | — |
| | | Jhoomra Hills .. | —100 | —73 | —11 | +110 | —47 | —78 | — |
| | Lohardugga | Lohardugga ... | —63 | —63 | +22 | +27 | —15 | —85 | — |
| | | Ranchee ... | +9 | —60 | +53 | +69 | —4 | —89 | — |
| | | Palamow ... | —83 | —41 | +48 | +71 | —1 | —100 | + |
| | Singbhoom ... | Chyebassa ... | —37 | —62 | —14 | +25 | —37 | —98 | — |
| | Manbhoom | Purulia ... | —21 | —52 | +79 | +62 | +17 | —99 | + |
| | | Gobindpore .. | —27 | —68 | —10 | +18 | —25 | —72 | — |

Meteorological Office, Bengal,
*The 10th December* 1888.

A. Pedler,
*Offg. Meteorological Reporter to the Govt. of Be*

## Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 12th January 1889.*

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---|---|---|---|
| BENGAL. | | | |
| | *Western Districts.* | | |
| Burdwan Divn. 1 | Burdwan Jan. 12, '89 | Nil | Weather—cool and seasonable. *Rubbi* prospects continue good. |
| Burdwan Divn. 2 | Bankoora ,, 12, '89 | Nil | Weather—seasonable. *Rubbi* prospects continue fair in the Sudder, but not so favourable in the Bishenpore sub-division. Prices continue stationary at Sudder, but have slightly fallen at the Bishenpore mart. |
| Burdwan Divn. 3 | Birbhum ,, 12, '89 | Nil | Weather—cold. Threshing of *amun* paddy continues. Prospects of *rubbi* fair. |
| Burdwan Divn. 4 | Midnapur ,, 12, '89 | Nil | Weather—cold and dry. *Amun* harvesting completed. *Boro* being extensively cultivated. *Rubbi* crops doing well. |
| Burdwan Divn. 5 | Hugli ,, 12, '89 | Nil | Weather—seasonable. Condition and prospects of crops satisfactory. |
| | Howrah ,, 14, '89 | Nil | Weather—rather warm. South wind blowing. State and prospects of crops fair. |
| | *Central Districts.* | | |
| Presidency Divn. 6 | 24-Perghs. Jan. 15, '89 | Nil | Weather—hot for the season, with foggy mornings. Harvesting of *amun* paddy is practically over; outturn is expected to be from 8 to 11 annas. Prospects of other crops are fair. Sugar is being manufactured. |
| Presidency Divn. 7 | Nuddea ,, 12, '89 | Nil | Weather—cool and seasonable. Prospects of *rubbi* crops good. Harvesting of *amun* paddy completed. |
| Presidency Divn. 8 | Khoolna ,, 12, '89 | Nil | Weather—cool and clear. *Amun* is being reaped; outturn expected to be about 10 annas. Prospect of cold weather crop fair. |
| Presidency Divn. 9 | Jessore ,, 12, '89 | Nil | Weather—cool with foggy mornings. *Amun* harvesting nearly completed. Other standing crops fair. |
| Presidency Divn. 10 | Moorshedabad ,, 12, '89 | Nil | Weather—cold. Both *haimanti* rice and *kalai* are still being cut and threshed. *Rubbi* crops promising. |
| Rajshahye Divn. 11 | Dinagepur ,, 12, '89 | Nil | Weather—seasonable. The rice harvest is nearly over, and yield has been better than was expected. The average outturn for the district will be over a ½ crop. *Rubbi* prospects fair. |
| Rajshahye Divn. 12 | Rajshahye ,, 12, '89 | Nil | Weather—seasonable. Winter rice being harvested. Rain wanted for spring crops. |
| Rajshahye Divn. 13 | Rungpur ,, 12, '89 | Nil | Weather—seasonable. Harvesting of *amun* is all but completed, with an average yield of 8 annas. Tabacco, pulse and wheat are doing well. |
| Rajshahye Divn. 14 | Bogra ,, 12, '89 | Nil | Weather—seasonable; mornings foggy. The harvest of winter rice is still going on. Sugarcane and *rubbi* crops are growing. Potatoes are being sown. Rice is selling at 20 seers per rupee. |
| Rajshahye Divn. 15 | Pubna ,, 12, '89 | Nil | Weather—fine. Outturn of *amun* only 8 annas on the average. Sugarcane moderate. *Rubbi* crops bad. Rain wanted. |
| Rajshahye Divn. 16 | Darjeeling ,, 12, '89 | Nil | Weather—still unusually dry. Crops doing well. |
| Rajshahye Divn. 17 | Julpigoree ,, 12, '89 | Nil | Weather—seasonable. Harvesting of *amun* nearly completed. Outturn is estimated at about 10 annas. Tobacco and other crops doing fairly well. Common rice selling at 18 seers per rupee. |
| | *Eastern Districts.* | | |
| Dacca Divn. 18 | Dacca Jan. 12, '89 | Nil. | Weather—very cold and fine. *Boro* paddy being planted. Pulses being gathered. Cutting of sugarcane continues. Prospects of winter crops good. |
| Dacca Divn. 19 | Furreedpur ,, 12, '89 | Nil | Weather—seasonable and fine. No change of any sort to report. The *rubbi* prospects are good. |
| Dacca Divn. 20 | Backergunge ,, 11, '89 | Nil | Weather—seasonable. Prospects of crops fair. Harvesting of *amun* still going on; outturn 12 annas |
| Dacca Divn. 21 | Mymensingh ,, 11, '89 | Nil | Weather—very cold for the last two or three days. Prospects of crops good. |
| Chittagong Divn. 22 | Chittagong ,, 15, '89 | Nil | Weather—seasonable. *Amun* harvested; outturn moderate. Winter crops thriving. Prices steady. |
| Chittagong Divn. 23 | Noakholly ,, 11, '89 | Nil | Weather—seasonable. Reaping of *amun* completed. *Rubbi* crops getting on well. |
| Chittagong Divn. 24 | Tipperah ,, 10, '89 | Nil | Weather—dry and cold. Winter rice crop has yielded a very good outturn generally. *Rubbi* crops are coming on nicely. |
| Chittagong Divn. 25 | Chittagong Hill Tracts. ,, 8, '89 | Nil | Weather—very cold and foggy in the morning throughout the week. Mustard, tobacco, chillies, and other winter crops progressing. Prospects not good for want of rain. |
| | Hill Tipperah ,, 9, '89 | Nil | Weather—seasonably cold. Reaping of *amun* paddy finished. Prospects chillies, tobacco and mustard fair. |

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---|---|---|---|
| **BEHAR.** | | | |
| PATNA DIVN. 26 | Patna Jan. 12, '89 | Nil | Weather—cold. Prospects of *rubbi* and poppy continue favourable. Prices stationary. |
| 27 | Gya „ 12, '89 | Nil | Weather—cold and seasonable. Paddy is being harvested and threshed. Prospects of *rubbi* and poppy promising. |
| 28 | Shahabad „ 12, '89 | Nil | Weather—rather warm. Paddy is being threshed. Prospects of *rubbi* crops fair, but rain wanted. Poppy doing well. Prices stationary. |
| 29 | Durbhunga „ 12, '89 | Nil | Weather—somewhat cloudy for the last two days. Rain much wanted especially in the north. *Rubbi* suffering in that part, but poppy and tobacco good. Prices slightly easier. Common rice selling at 15½ seers per rupee in Durbhunga. |
| 30 | Mozufferpur „ 12, '89 | Nil | Weather—cold and bright. Poppy doing well everywhere. Prospects of *rubbi* favourable in the Sudder and Hajeepur sub-divisions, and fair in South Sitamarhi, but unfavourable in North Sitamarhi. Rain would do good to all crops. |
| 31 | Sarun „ 12, '89 | Nil | Weather—occasionally cloudy, but no rain. Poppy and *rubbi* crops progressing satisfactorily and give excellent prospects. Lands are being prepared for indigo. Prices of food-grains falling. |
| 32 | Chumparun „ 12, '89 | Nil | Weather—too cold and fair. Prospects of both *rubbi* and poppy remain unchanged; a shower of rain will do immense good. *Arhar* doing well. Prices rising gradually, and affecting labouring classes in the distressed area. |
| BHAGULPORE DIVN. 33 | Monghyr Jan. 12, '89 | Nil | Weather—cold and seasonable. *Rubbi* crops doing well. *Kurthi* being harvested. Prices stationary. |
| 34 | Bhagulpur „ 12, '89 | Nil | Weather—seasonable. Outturn of late rice seems to be up to estimates already given. *Rubbi* doing fairly, but rain would now do good. *Cheena* being sown. |
| 35 | Purneah „ 12, '89 | Nil | Weather—fair and cold. *Rubbi* crops doing fairly well. *Aghani* outturn about an eight-anna crop. |
| 36 | Maldah „ 12, '89 | Nil | Weather—fair and cold. Slight fogs. *Kalai* reaping continues with very good results. *Rubbi* crops thriving, but require rain. |
| 37 | Sonthal Perghs. „ 12, '89 | Nil | Weather—cold and clear. *Dhan* harvest nearly over. State of winter crops fair. Sugarcane is being cropped. |
| **ORISSA.** | | | |
| ORISSA DIVN. 38 | Cuttack Jan. 11, '89 | Nil | Weather—seasonable. Reaping of *sarad* rice and *rubbi* in progress. Price of rice stationary. |
| 39 | Pooree „ 10, '89 | Nil | Weather—dry and clear. Rain is wanted for *rubbi* crops. Harvesting of winter rice (late *sarad*) continues. *Dalua* crop doing well. Common rice 19 seers 7 chittacks per rupee in the Sudder sub-division and 20 seers 10 chittacks in the Khoorda sub-division. |
| 40 | Balasore „ 11, '89 | Nil | Weather—seasonable. *Sarad* rice is being threshed with an average outturn of nearly 10 annas. *Rubbi* crops yielding well. |
| **CHOTA NAGPORE.** | | | |
| ***South-West Frontier Agency.*** | | | |
| CHOTA NAGPORE DIVN. 41 | Hazaribagh Jan. 11, '89 | Nil | Weather—seasonable, but slightly cloudy to-day (11th). *Rubbi* beginning to suffer for want of rain. Poppy doing well; weeding and irrigation in progress. Grounds being prepared for sugarcane. Prices stationary. |
| 42 | Lohardugga „ 12, '89 | Nil | Weather—somewhat warm and cloudy. Rain urgently wanted for *rubbi* crops. Prices fluctuating. Coarse rice is rather dear in Palamow sub-division. |
| 43 | Singbhoom „ 11, '89 | Nil | Weather—seasonable. Prospects of *rubbi* crops have not improved. Prices almost the same as in last week. |
| 44 | Manbhoom „ 12, '89 | Nil | Weather—seasonable. Sugarcane pressing in progress; outturn varies from 14 annas in the south and west to 8 annas in the north. Prospects of *rubbi* moderate. |

Published for general information.

CALCUTTA; REVENUE DEPT.,
*The 15th January* 1889.

P. NOLAN,
*Secy. to the Govt. of Bengal.*

## Results of the Meteorological Observations taken at the Alipore Observatory from 6th to 12th January 1889.

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rain. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1889. | | ○ | | Inches. | ○ | ○ | ○ | ○ | ○ | Inches | ○ | % | | | Inches. | |
| Jan. | 6th | 132·0 | 8·8 | 30·093 | 64·9 | 78·0 | 22·7 | 55·3 | 60·7 | 0·480 | 57·8 | 79 | WSW and calm ... | 34 | Nil | Clear, ≡, ▲. |
| " | 7th | 131·5 | 9·0 | ·141 | 65·3 | 78·8 | 23·5 | 55·3 | 59·3 | ·429 | 54·6 | 72 | N by W and calm ... | 25 | " | Chiefly clear, ≡, ▲. |
| " | 8th | 131·6 | 8·8 | ·094 | 63·1 | 76·3 | 23·6 | 52·7 | 56·5 | ·371 | 50·7 | 68 | NNW and calm ... | 34 | " | Clear, ≡, ▲. |
| " | 9th | 131·2 | 9·0 | ·066 | 61·1 | 74·5 | 24·7 | 49·8 | 54·3 | ·325 | 48·0 | 66 | WNW and calm ... | 28 | " | Chiefly clear, ≡, ▲. |
| " | 10th | 132·5 | 9·4 | ·063 | 62·4 | 76·5 | 27·0 | 49·5 | 55·4 | ·352 | 49·2 | 65 | Calm and variable ... | 26 | " | Clear, ≡, ▲. |
| " | 11th | 134·5 | 9·4 | 29·992 | 65·1 | 78·4 | 26·1 | 52·3 | 60·7 | ·480 | 57·8 | 78 | WSW, SW by S and calm. | 76 | " | Clear, ≡, ▲. |
| " | 12th | 135·4 | 9·4 | ·946 | 71·1 | 83·5 | 21·1 | 62·4 | 66·8 | ·605 | 64·4 | 79 | SW by S, WNW and SW. | 82 | " | Chiefly clear ▲. |

| | | |
|---|---|---|
| | | Inches. |
| The mean pressure of the seven days ... ... ... ... | | 30·057 |
| The average pressure of the corresponding period for 24 years, S. G.'s Office ... | | 30·020 |
| | | Hours. |
| The total number of hours of bright sunshine ... ... ... | | 63·8 |
| The maximum possible number of hours of sunshine ... ... ... | | 75·6 |
| | | ○ |
| The mean temperature of the seven days ... ... ... ... | | 64·7 |
| The average temperature of the corresponding period for 24 years, S. G.'s Office | | 67·0 |
| The extreme variation of temperature ... ... ... ... | | 34 0 |
| The maximum temperature ... ... ... ... ... | | 83·5 |
| | | Miles. |
| The highest velocity of the wind in one hour ... ... ... | | 10 |
| | | lbs. |
| The highest pressure of wind on one square foot ... ... ... | | ? |
| | | % |
| The mean relative humidity ... ... ... ... ... | | 72 |
| The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... ... ... ... ... ... | | 71 |
| | | Inches. |
| The total fall of rain from 6th to 12th January 1889 ... ... | | Nil |
| The average fall of the corresponding period for 24 years, S. G.'s Office ... | | 0·07 |
| The total fall from 1st to 12th January 1889 ... ... ... | | Nil |
| The average fall of the corresponding period for 24 years, S. G.'s Office ... | | 0·11 |

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the New Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly in the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

▲ dew, ≡ fog.

A. PEDLER,
*For Offg. Meteorological Reporter to the Govt. of India.*

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
*Calcutta, the 14th January 1889.*

## Meteorological Report of the Province of B

STATION OBSERVATIONS.

| Meteorological Division. | District. | Representative station. | Air pressure. Mean barometric height, 10 A.M. | Air pressure. Mean reduced to sea-level. | Air pressure. Variation from mean. | Wind. Prevailing direction. | Wind. Mean wind velocity. | Temperature. Highest during week. | Temperature. Date. | Temperature. Lowest during week. | Temperature. Date. | Temperature. Mean maximum temperature. | Temperature. Mean minimum temperature of week. | Temperature. Mean daily temperature week. | Temperature. Variation from normal means |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orissa. | Pooree ... ... | Pooree ... | 30·122 | 30·155 | — | NNW | 105 | 82·7 | 10th Jan. | 55·4 | 10th Jan. | 79·1 | 59·4 | 69·3 | |
| | | Gopalpore ... | 30·101 | 30·151 | +·018 | NNW | 213 | 80·2 | 8th & 10th Jan. | 59·0 | 10th ,, | 78·2 | 61·6 | 69·9 | +0 |
| | | False Point ... | 30·113 | 30·136 | +·032 | North-westerly. | 137 | 80·9 | 8th ,, | 54·0 | 10th ,, | 78·4 | 55·9 | 67·2 | |
| | Cuttack ... ... | Cuttack ... | 30·064 | 30·149 | +·055 | Calm | 9 | 86·4 | 7th ,, | 53·2 | 10th ,, | 84·5 | 57·4 | 71·0 | |
| | Balasore ... ... | Balasore ... | 30·090 | 30·152 | +·021 | NNW | 81·8 | 83·9 | 8th ,, | 49·4 | 9th & 10th Jan. | 81·3 | 52·0 | 66·7 | +0 |
| South-West Bengal. | South-West Midnapore / South 24-Pergunnahs | Saugor Island | 30·120 | 30·147 | +·042 | NNE | 165 | 78·2 | 8th & 9th Jan. | 54·3 | 9th ,, | 76·0 | 57·9 | 67·0 | |
| | Midnapore ... ... | Midnapore ... | 29·989 | 30·150 | +·019 | Calm | 40·9 | 84·3 | 8th ,, | 49·2 | 9th & 10th Jan. | 82·4 | 50·9 | 66·7 | +1 |
| | 24-Pergunnahs ... ... / Howrah ... ... / Hooghly ... ... | Calcutta ... | 30·122 | 30·145 | +·029 | Calm | 27 | 79·0 | 8th ,, | 49·3 | 10th ,, | 76·9 | 52·4 | 64·7 | |
| | Burdwan ... ... | Burdwan ... | 30·037 | 30·144 | +·017 | Westerly | 18·9 | 81·5 | 7th ,, | 44·0 | 7th ,, | 79·7 | 47·9 | 63·8 | |
| | Bankoora ... ... | Bankoora ... | 29·823 | 30·148 | — | NW | 46 | 82·1 | 6th & 8th Jan. | 47·9 | 10th ,, | 80·2 | 49·9 | 65·1 | |
| | Beerbhoom ... ... / West Burdwan ... ... | Raneegunge* | 29·792 | 30·125 | +·024 | WNW | 47·1 | 81·5 | 6th ,, | 49·2 | 10th ,, | 79·3 | 50·4 | 64·9 | |
| | Moorshedabad ... ... | Berhampore | 30·070 | 30·141 | +·046 | Calm | 28·4 | 78·6 | 8th ,, | 48·1 | 10th ,, | 77·1 | 49·5 | 63·3 | |
| | Nuddea ... ... | Krishnaghur... | 30·095 | 30·165 | +·070 | WNW | 58·6 | 79·9 | 7th ,, | 44·3 | 10th ,, | 78·1 | 47·1 | 62·6 | |
| | Jessore ... ... / Khoolna ... ... | Jessore ... | 30·109 | 30·144 | +·060 | Calm | 32·5 | 79·7 | 7th & 8th Jan. | 46·4 | 10th ,, | 78·1 | 49·4 | 63·8 | |
| East Bengal. | Chittagong ... ... | Chittagong ... | 30·032 | 30·127 | +·042 | Calm | 30·7 | 79·0 | 7th ,, | 52·7 | 10th & 11th Jan. | 77·8 | 54·7 | 66·3 | |
| | Chittagong Hill Tracts | Demagiri ... | Observations not received. | | | | | | | | | | | | |
| | Backergunge ... ... | Barrisal ... | 30·115 | 30·128 | +·072 | Calm | 29·0 | 78·8 | 8th Jan. | 48·6 | 10th ,, | 76·6 | 51·0 | 63·8 | |
| | Noakholly ... ... | Noakholly ... | 30·064* | 30·116* | +·907* | Calm | ? | 79·5 | 8th ,, | 46·0 | 10th ,, | 77·5 | 49·4 | 63·5 | |
| | Furreedpore ... ... | Furreedpore ... | 30·097 | 30·140 | +·072 | Calm | 32 | 73·8 | 5th & 7th Jan. | 46·9 | 10th ,, | 72·5 | 49·3 | 60·9 | |
| | Dacca ... ... | Dacca ... | 30·100 | 30·124 | +·049 | Westerly | 30·1 | 80·1 | 8th ,, | 49·2 | 10th ,, | 78·4 | 52·5 | 65·4 | |
| | Commillah ... ... | Commillah ... | 30·084 | 30·122 | +·057 | N | 11·2 | 79·9 | 8th ,, | 48·1 | 10th ,, | 78·8 | 51·0 | 64·9 | |
| | Mymensingh ... ... | Mymensingh ... | 30·064 | 30·125 | +·069 | North easterly. | 31·4 | 58·3 | 5th ,, | 47·5 | 10th ,, | 55·5 | 51·5 | 53·5 | |
| North Bengal. | Bogra ... ... | Bogra ... | 30·050 | 30·117 | +·051 | Calm | 22·0 | 78·8 | 8th ,, | 45·9 | 10th ,, | 77·3 | 49·0 | 63·2 | |
| | Pubna ... ... | Serajgunge ... | 30·066 | 30·115 | +·043 | North westerly. | 23·4 | 78·4 | 8th ,, | 44·5 | 9th ,, | 77·2 | 48·0 | 62·6 | |
| | Rajshahye ... ... | Rampore Beauleah. | 30·056 | 30·136 | +·069 | N | 46·8 | 76·9 | 8th ,, | 44·2 | 10th ,, | 76·0 | 47·9 | 62·0 | |
| | Maldah ... | Maldah ... | 30·077 | 30·163 | — | NW | 43·9 | 79·0 | 8th ,, | 44·2 | 10th ,, | 77·9 | 47·6 | 62·8 | |
| | Dinagepore ... ... | Dinagepore ... | 30·012 | 30·142 | +·057 | SW | 29 | 77·1 | 6th & 7th Jan. | 44·4 | 10th ,, | 76·3 | 47·3 | 61·8 | |
| | Rungpore ... ... | Rungpore ... | 29·199 | 30·134 | —·011 | NNW & calm, | 30 | 77·2 | 5th ,, | 44·8 | 10th ,, | 76·4 | 46·9 | 61·7 | |
| | Julpigoree ... ... / Cooch Behar ... ... | Julpigoree ... | 29·829 | 30·136 | —·016 | NE | 24·9 | 57·9 | 8th ,, | 47·0 | 9th ,, | 55·7 | 50·2 | 53·0 | |
| | Darjeeling Hill Tracts ... | Darjeeling ... | 25·034 | — | 0 | Easterly | 81 | 52·3 | 5th ,, | 34·3 | 10th ,, | 47·4 | 35·5 | 41·5 | |
| North Behar. | Purneah ... ... / North Bhagulpore ... | Purneah ... | 30·004 | 30·141 | +·014 | Calm | 35·3 | 76·7 | 8th & 9th Jan. | ? | ? | 75·8 | ? | ? | |
| | Mozufferpore ... ... | Mozufferpore | Observation suspended. | | | | | | | | | | | | |
| | Durbhunga ... ... | Durbbunga ... | 29·959 | 30·139 | +·022 | WSW | 62 | 72·9 | 8th Jan. | 49·3 | 10th ,, | 70·8 | 51·8 | 61·3 | |
| | Chumparun ... ... | Motihari ... | 29·919 | 30·164 | +·069 | Calm | Out of order. | 76·7 | 7th ,, | 40·0 | 8th ,, | 57·6 | 43·8 | 50·7 | |
| | Sarun ... ... | Chupra ... | 29·958* | 30·166* | +·084* | Calm | 18·1 | 63·0 | 7th ,, | 45·1 | 10th ,, | 58·1 | 48·5 | 53·3 | |
| South Behar. | Shahabad ... ... | Dehree ... | 29·772 | 30·156 | +·040 | SW | 74·5 | 79·3 | 7th & 11th Jan. | 49·0 | 5th ,, | 77·9 | 50·6 | 64·3 | |
| | | Buxar ... | 29·897 | 30·159 | +·044 | WSW | 75·5 | 77·4 | 8th ,, | 46·9 | 5th ,, | 76·2 | 48·3 | 62·3 | |
| | | Arrah ... | 29·929 | 30·143 | +·040 | WSW | 24·1 | 76·8 | 8th ,, | 43·9 | 10th ,, | 74·9 | 46·6 | 60·8 | |
| | Gya ... ... | Gya ... | 29·771 | 30·179 | +·053 | SSE | 55·8 | 78·0 | 11th ,, | 46·9 | 5th ,, | 76·5 | 49·6 | 63·0 | |
| | Patna ... ... | Bankipore ... | 29·957 | 30·155 | +·052 | SW | 27·5 | 75·7 | 8th & 10th Jan. | 47·0 | 11th ,, | 74·3 | 48·3 | 61·3 | |
| | South Bhagulpore ... / Monghyr ... ... | Bhagulpore ... | 29·974 | 30·146 | +·057 | NW | 46 | 75·3 | 8th ,, | 45·5 | 10th ,, | 73·7 | 47·6 | 60·7 | |
| | Sonthal Pergunnahs ... | Deoghr ... | 29·614 | 30·155 | —0·09 | Calm | 34·9 | 78·5 | 8th ,, | 44·0 | 10th ,, | 76·8 | 47·0 | 61·9 | |
| Chota Nagpore. | Hazaribagh ... ... | Hazaribagh ... | 28·969 | 30·177 | +·051 | WNW | 160·6 | 77·9 | 7th ,, | 46·4 | 9th ,, | 75·1 | 49·7 | 62·4 | |
| | Lohardugga ... ... / Manbhoom ... ... | Kanchee ... | 27·936 | 30·154 | +·039 | Calm | 123·1 | 78·0 | 6th ,, | 45·4 | 9th ,, | 75·7 | 49·1 | 62·4 | |
| | Singbhoom ... ... | Chyebassa ... | 29·369 | 30·176 | +·059 | Calm | 8·7 | 83·0 | 7th ,, | 47·3 | 9th ,, | 81·6 | 50·2 | 65·9 | |

* Means of six days.

*Explanation.—Summary* — The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10.
are the numerical means of rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during
stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

## ...r the week ending Friday, the 11th of January 1889

| Average humidity at 10 A.M. | Average cloud amount at 10 A.M. for week. | Rainfall of week at observing station. | DISTRICT OBSERVATIONS. Of week. Mean for district. | Of week. Normal mean. | Rainfall. Since 1st of month. Mean for district. | Since 1st of month. Normal mean. | Since 1st of month. Variation. | Since 15th May 1888. Mean for district. | Since 15th May 1888. Normal mean. | Since 15th May 1888. Variation. | Average number of rainy days. | Normal number of rainy days. | Representative station. | District. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 1·9 | Nil | Nil | 0·01 | Nil | 0·62 | −0·62 | 44·12 | 55·38 | −11·26 | 0·0 | 0·1 | Pooree ... | | |
| 71 | 1·3 | Nil | — | — | — | — | — | — | — | — | — | — | Gopalpore ... | Pooree ... ... ... | |
| 99 | 1·1 | Nil | — | — | — | — | — | — | — | — | — | — | False Point ... | | |
| 89 | 4·1 | Nil | Nil | 0·02 | Nil | 0·04 | −0·04 | 51·79 | 51·68 | +0·11 | 0·0 | 0·1 | Cuttack ... | Cuttack ... ... ... | Orissa. |
| 83 | 0 | Nil | Nil | 0·04 | Nil | 0·10 | −0·10 | 52·87 | 52·99 | −0·12 | 0·0 | 0·1 | Balasore ... | Balasore ... ... | |
| 95 | 2·6 | Nil | Nil | 0·05 | Nil | 0·09 | −0·09 | 54·99 | 62·05 | −7·06 | 0·0 | 0·1 | Saugor Island ... | South-West Midnapore<br>South 24-Pergunnahs | |
| 87 | 0·3 | Nil | Nil | 0·09 | Nil | 0·16 | −0·16 | 61·49 | 51·22 | +10·27 | 0·0 | 0·2 | Midnapore ... | Midnapore ... ... | |
| 93 | 0·4 | Nil | Nil | 0·08 | Nil | 0·15 | −0·15 | 62·19 | 51·31 | +10·88 | 0·0 | 0·2 | Calcutta ... | 24-Pergunnahs ... ...<br>Howrah ... ...<br>Hooghly ... ... | South-West Bengal. |
| 86 | 0·6 | Nil | Nil | 0·02 | Nil | 0·07 | −0·07 | 55·62 | 46·38 | +9·24 | 0·0 | 0·1 | Burdwan ... | Burdwan ... ... | |
| 85 | 0·4 | Nil | Nil | 0·07 | Nil | 0·07 | −0·07 | 51·73 | 51·96 | −0·23 | 0·0 | 0·2 | Bankoora ... | Bankoora ... ... | |
| 66 | 0 | Nil | Nil | 0·10 | Nil | 0·10 | −0·10 | 56·49 | 51·27 | +5·22 | 0·0 | 0·2 | Raneegunge ... | Beerbhoom ... ...<br>West Burdwan ... | |
| 84 | 0 | Nil | Nil | 0·10 | Nil | 0·10 | −0·10 | 46·82 | 50·22 | −3·40 | 0·0 | 0·2 | Berhampore ... | Moorshedabad ... ... | |
| 84 | 0·4 | Nil | Nil | 0·07 | Nil | 0·08 | −0·08 | 53·45 | 48·88 | +4·57 | 0·0 | 0·2 | Krishnaghur ... | Nuddea ... ... | |
| 90 | 0·6 | Nil | Nil | 0·07 | Nil | 0·12 | −0·12 | 43·89 | 52·86 | −8·97 | 0·0 | 0·2 | Jessore ... | Jessore ... ...<br>Khoolna ... ... | |
| 91 | 0 | Nil | Nil | 0·05 | Nil | 0·08 | −0·08 | 125·77 | 113·19 | +12·58 | 0·0 | 0·2 | Chittagong ... | Chittagong ... ... | |
| | | | Nil | 0·10 | Nil | 0·16 | −0·16 | 72·40 | 81·12 | −8·72 | 0·0 | 0·3 | Demagiri ... | Chittagong Hill Tracts | |
| 82 | 0 | Nil | Nil | 0·18 | Nil | 0·24 | −0·24 | 71·82 | 76·58 | −4·76 | 0·0 | 0·3 | Barrisal ... | Backergunge ... ... | East Bengal. |
| 92 | 0·3 | Nil | Nil | 0·16 | Nil | 0·37 | −0·37 | 105·76 | 106·84 | −1·08 | 0·0 | 0·3 | Noakholly ... | Noakholly ... ... | |
| 91 | 0 | Nil | Nil | 0·07 | Nil | 0·16 | −0·10 | 47·23 | 55·38 | −8·15 | 0·0 | 0·2 | Furreedpore ... | Furreedpore ... ... | |
| 86 | 0·3 | Nil | Nil | 0·08 | Nil | 0·11 | −0·11 | 55·43 | 59·54 | −4·11 | 0·0 | 0·2 | Dacca ... | Dacca ... ... | |
| 91 | 0 | Nil | Nil | 0·16 | Nil | 0·22 | −0·22 | 61·71 | 68·89 | −7·18 | 0·0 | 0·3 | Commillah ... | Tipperah ... ... | |
| 85 | 0 | Nil | Nil | 0·08 | Nil | 0·10 | −0·10 | 66·35 | 67·04 | −0·69 | 0·0 | 0·2 | Mymensingh ... | Mymensingh ... ... | |
| 86 | 0 | Nil | Nil | 0·05 | Nil | 0·06 | −0·06 | 43·63 | 56·93 | −13·30 | 0·0 | 0·2 | Bogra ... | Bogra ... ... | |
| 88 | 0 | Nil | Nil | 0·06 | Nil | 0·07 | −0·07 | 46·72 | 58·03 | −12·31 | 0·0 | 0·2 | Serajgunge ... | Pubna ... ... | |
| 79 | 0·1 | Nil | Nil | 0·18 | Nil | 0·18 | −0·18 | 45·00 | 53·56 | −8·56 | 0·0 | 0·2 | Rampore Beauleah | Rajshahye ... ... | |
| 91 | 0 | Nil | Nil | 0·10 | Nil | 0·10 | −0·10 | 40·31 | 53·85 | −13·54 | 0·0 | 0·2 | Maldah ... | Maldah ... ... | |
| 88 | 0 | Nil | Nil | 0·05 | Nil | 0·06 | −0·06 | 45·61 | 57·09 | −11·48 | 0·0 | 0·2 | Dinagepore ... | Dinagepore ... ... | |
| 92 | 0 | Nil | Nil | 0·09 | Nil | 0·09 | −0·09 | 55·86 | 73·44 | −17·38 | 0·0 | 0·2 | Rungpore ... | Rungpore ... ... | North Bengal. |
| 94 | 0 | Nil | Nil | 0·02 | Nil | 0·02 | −0·02 | 85·99 | 110·80 | −24·81 | 0·0 | 0·1 | Julpigoree ... | Julpigoree ... ...<br>Cooch Behar ... ... | |
| 91 | 5·7 | Nil | Nil | 0·09 | Nil | 0·10 | −0·10 | 98·08 | 120·59 | −22·51 | 0·0 | 0·3 | Darjeeling ... | Darjeeling Hill Tracts | |
| 86 | 0 | Nil | Nil | 0·05 | Nil | 0·07 | −0·07 | 47·79 | 58·24 | −10·45 | 0·0 | 0·2 | Purneah ... | Purneah ... ...<br>North Bhagulpore ... | |
| | | | Nil | 0·08 | Nil | 0·12 | −0·12 | 39·39 | 43·02 | −3·63 | 0·0 | 0·2 | Mozufferpore ... | Mozufferpore ... ... | North Behar. |
| 85* | 0·3 | Nil | Nil | 0·04 | Nil | 0·12 | −0·12 | 38·67 | 44·19 | −5·52 | 0·0 | 0·1 | Durbhunga ... | Durbhunga ... ... | |
| 85 | 1·0 | Nil | Nil | 0·02 | Nil | 0·06 | −0·06 | 40·89 | 46·19 | −5·30 | 0·0 | 0·1 | Motihari ... | Chumparun ... ... | |
| 83 | 0·1 | Nil | Nil | 0·06 | Nil | 0·07 | −0·07 | 37·43 | 42·38 | −4·95 | 0·0 | 0·2 | Chupra ... | Sarun ... ... | |
| 78 | 0 | Nil | | | | | | | | | | | | | |
| 94 | 0·2 | Nil | Nil | 0·09 | Nil | 0·12 | −0·12 | 41·91 | 39·51 | +2·40 | 0·0 | 0·2 | Dehree ... | | |
| 80 | 0·1 | Nil | | | | | | | | | | | Buxar ... | Shahabad ... ... | |
| 81 | 1·1 | Nil | | | | | | | | | | | Arrah ... | | South Behar. |
| 74 | 0·6 | Nil | Nil | 0·09 | Nil | 0·10 | −0·10 | 49·46 | 41·08 | +8·38 | 0·0 | 0·2 | Gya ... | Gya ... ... | |
| 73 | 0·1 | Nil | Nil | 0·09 | Nil | 0·12 | −0·12 | 46·71 | 40·89 | +5·82 | 0·0 | 0·2 | Bankipore ... | Patna ... ... | |
| 74 | 0·1 | Nil | Nil | 0·06 | Nil | 0·07 | −0·07 | 48·28 | 42·69 | +5·59 | 0·0 | 0·2 | Bhagulpore ... | South Bhagulpore ...<br>Monghyr ... ... | |
| 74 | 0 | Nil | Nil | 0·09 | Nil | 0·10 | −0·10 | 52·24 | 50·53 | +1·71 | 0·0 | 0·2 | Deoomka ... | Sonthal Pergunnahs ... | |
| 69 | 1·1 | Nil | Nil | 0·19 | Nil | 0·21 | −0·21 | 56·11 | 50·08 | +6·03 | 0·0 | 0·3 | Hazaribagh ... | Hazaribagh ... ... | Chota Nagpore. |
| | | | Nil | 0·21 | Nil | 0·23 | −0·23 | 50·24 | 48·49 | +1·75 | 0·0 | 0·3 | Ranchi ... | Lohardugga ... ... | |
| 69 | 0 | Nil | Nil | 0·09 | Nil | 0·09 | −0·09 | 46·35 | 46·55 | −0·20 | 0·0 | 0·2 | | Manbhoom ... ... | |
| | | | Nil | 0·09 | Nil | 0·12 | −0·12 | 40·44 | 50·96 | −10·52 | 0·0 | 0·3 | Chyebassa ... | Singbhoom ... ... | |

* Six days.

...rations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...ng cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
... The means of the distri... are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the sub-divisional

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 11th of January 1889.

| Meteorological division. | District. | Station. | Rainfall. Saturday, 5th January 1889. | Sunday, 6th January. | Monday, 7th January. | Tuesday, 8th January. | Wednesday, 9th January. | Thursday, 10th January. | Friday, 11th January. | Total: Number of rainy days. | Total: Rainfall week. | Total rainfall since 1st of month. | Average total rainfall from 1st of month. | Total rainfall since 15th May 1888. | Average rainfall from 15th May to date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Pooree ... | Pooree ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | Nil | 41·07 | |
| | | Khurdah ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·01 | 44·38 | |
| | | Banpur ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 36·78 | |
| | | False Point ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·02 | 54·24 | |
| | | *Gop* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | |
| | | *Pipli* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | |
| | Cuttack ... | Jagatsingpore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | Nil | 56·21 | |
| | | Banki ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 43·72 | |
| | | Cuttack ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·01 | 52·68 | |
| | | Kendrapara ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | Nil | 45·21 | |
| | | Jajpore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 61·15 | |
| | | *Dharmsala* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 56·98 | |
| | | *Salipore* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | |
| | Balasore ... | Chandbali ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 51·05 | |
| | | Bhuddruck ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 48·51 | |
| | | Sorah ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·01 | 49·02 | |
| | | Balasore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·08 | 56·98 | |
| | | Jellasore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 55·85 | |
| | | Baripodah ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·18 | 54·18 | |
| South-West Bengal. | Midnapore ... | Contai ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 55·70 | |
| | | Saugor Island ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·04 | 52·09 | |
| | | Tumlook ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·08 | 64·80 | |
| | | Midnapore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 63·04 | |
| | | Ghattal ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·20 | 56·63 | |
| | | *Kukrahaty* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 65·28 | |
| | | *Uleria* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 52·11 | |
| | | *Bhagwanpore* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 49·91 | |
| | | *Garbeta* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 64·41 | |
| | 24-Perganuahs | Diamond Harbour ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 57·18 | |
| | | *Canning Town* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 55·55 | |
| | | Alipore Jail ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·29 | 61·95 | |
| | | Barrackpore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 61·56 | |
| | | Dum-Dum ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 63·74 | |
| | | Baraset ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·16 | 64·53 | |
| | | Buseerhat ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 51·31 | |
| | Howrah ... | Howrah ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 65·57 | |
| | | Mohesreka ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·22 | 58·78 | |
| | | (*Ooloberiah.*) | | | | | | | | | | | | | |
| | Hooghly ... | Serampore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 66·08 | |
| | | Hooghly ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 66·73 | |
| | | Jehanabad ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·04 | 61·02 | |
| | Burdwan ... | Culna ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·02 | 60·27 | |
| | | Burdwan ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·02 | 46·49 | |
| | | Cutwa ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·16 | 60·08 | |
| | | Ranegunge ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 57·00 | |
| | | *Mankur* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 42·19 | |
| | Bankoora ... | Bankoora ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·04 | 48·55 | |
| | | Bishenpore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 53·33 | |
| | | Maliara ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 49·98 | |
| | | Khatra ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 55·02 | |
| | | Indas ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 41·26 | |
| | | Kotalpore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 46·84 | |
| | | Anda ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·81 | |
| | | Gangajalghati ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 56·17 | |
| | | *Raipore* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 55·17 | |
| | | *Sonamukhi* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 45·76 | |
| | Beerbhoom ... | Bh. Soory ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 53·31 | |
| | | Hetampore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 47·18 | |
| | | Rampore Haut ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 68·44 | |
| | | *Nulpore* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 61·53 | |
| | | *Murarai* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | |
| | Nuddea ... | Ranaghat ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·02 | 62·51 | |
| | | Kishnaghur ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 58·55 | |
| | | Chooadanga ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·16 | 52·23 | |
| | | Meherpore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 47·90 | |
| | | Kooshtea ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 56·23 | |
| | Khoolna ... | Satkhira ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | 58·24 | |
| | | Bagirhat ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·18 | 56·37 | |
| | | Khoolna ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 48·49 | |
| | Jessore ... | Narail ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·16 | 29·99 | |
| | | Jessore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 56·51 | |
| | | Jhenidah ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 35·04 | |
| | | Magoorah ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·06 | 42·79 | |
| | | Bongong ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·02 | 48·00 | |
| | Moorshedabad ... | Kandi ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 56·91 | |
| | | Berhampore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | 41·05 | |
| | | Lalbagh ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·04 | 46·23 | |
| | | Azimgunge ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | ? | |
| | | Jungipore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 45·48 | |
| | | Lalgola ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 50·75 | |
| | | *Jiagunge* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 46·47 | |
| | | *Akhriganj* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 46·31 | |
| | | *Patkabari* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 45·79 | |
| East Bengal. | Chittagong ... | Cox's Bazar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·16 | 146·44 | |
| | | Chittagong ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·06 | 105·98 | |
| | | *Kutubdia* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 116·99 | |
| | | *Sitakunda* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 91·41 | |
| | Chittagong Hill Tracts. | Rangamati ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 74·85 | |
| | | Rama ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 60·05 | |
| | Backergunge ... | Patuakhally ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·23 | 85·09 | |
| | | Pirozepore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·27 | 61·39 | |
| | | Barrisal ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 65·39 | |
| | | Bhola ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·21 | 74·97 | |

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 11th of January 1889—contd.

| Meteorological Division. | District. | Station. | Rainfall. Saturday, 5th January 1889. | Sunday, 6th January. | Monday, 7th January. | Tuesday, 8th January. | Wednesday, 9th January. | Thursday, 10th January. | Friday, 11th January. | Total. Number of rainy days. | Total. Rainfall of week. | Total rainfall since 1st of month. | Average total rainfall from 1st of month. | Total rainfall since 15th May 1888. | Average rainfall from 15th May to date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BENGAL Contd. | | *Gournaddi* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 49·28 | ? |
| | | *Bauphal* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 98·35 | ? |
| | Noakholly | Noakholly | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·26 | 106·99 | 107·46 |
| | | Fenny | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·47 | 104·53 | 106·19 |
| | | *Harishpore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 129·82 | ? |
| | | *Ramganj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 88·28 | ? |
| | Furreedpore | Madaripore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·16 | 45·71 | 55·39 |
| | | Furreedpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 52·01 | 55·95 |
| | | Goalundo | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 43·98 | 52·61 |
| | Dacca | Munshigunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 61·04 | 69·74 |
| | | Dacca | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 52·36 | 58·14 |
| | | Narainguge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 63·60 | 59·36 |
| | | Manickgunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | 45·74 | 49·73 |
| | | *Joydebpore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 58·88 | ? |
| | Hill Tipperah | Agartola | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·21 | 53·48 | 61·34 |
| | Tipperah | Comilla | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·20 | 68·91 | 75·47 |
| | | Chandpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·22 | 56·55 | 77·00 |
| | | Brahmunberia | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 68·77 | 69·72 |
| | | *Ramchandrapore.* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 69·16 | ? |
| | | *Nasirnagar* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 58·34 | ? |
| | | *Daudkandi* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 64·18 | ? |
| | | *Kasba* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 56·28 | ? |
| | | *Laksham* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 78·02 | ? |
| | Mymensingh | Kishoregunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·17 | 82·63 | 69·37 |
| | | Atia (*Tangail*) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 57·84 | 55·08 |
| | | Mymensingh | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·08 | 69·24 | 73·62 |
| | | Jamalpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·08 | 64·65 | 64·85 |
| | | Netrokona | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 77·59 | 71·68 |
| | | *Subornakhali* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 60·76 | ? |
| | | *Durgapore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 107·91 | ? |
| | | *Dewanganj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 54·72 | ? |
| NORTH BENGAL. | Pubna | Pubna | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 39·66 | 53·58 |
| | | Serajgunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 41·77 | 52·39 |
| | Bogra | Sherpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 41·23 | 57·38 |
| | | Nowkhilla | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 49·23 | 54·42 |
| | | Bogra | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 40·85 | 60·27 |
| | | Panchbibi | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 43·21 | 55·48 |
| | Rajshahye | Beauleah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | 31·07 | 52·64 |
| | | Nattore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·22 | 58·93 | 54·53 |
| | | *Naogaon* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 35·97 | ? |
| | | *Lalpore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 38·75 | ? |
| | | *Manda* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 29·64 | ? |
| | Maldah | Maldah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 47·66 | 51·38 |
| | | Chanchal | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 32·93 | 56·29 |
| | | *Gajol* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 36·99 | ? |
| | | *Sibgunj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 45·66 | ? |
| | Dinagepore | Mohadebpure | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 37·44 | 58·19 |
| | | Churamon | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·01 | 45·97 | 52·82 |
| | | Raigunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·01 | 49·17 | 58·73 |
| | | Dinagepore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·06 | 56·80 | 63·64 |
| | | Balcorchat | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·06 | 38·67 | 53·16 |
| | | Thakoorgaon | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 49·98 | ? |
| | Rungpore | Bhawaniguns (*Gyabanda*) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 45·25 | 61·38 |
| | | Rungpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 51·62 | 74·18 |
| | | Kurigram | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 73·54 | 73·08 |
| | | Bagdogra | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 52·95 | 84·80 |
| | | (*Nilphamari*) | | | | | | | | | | | | | |
| | | *Ulipore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 54·40 | ? |
| | Julpigoree | Julpigoree | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·04 | 103·73 | 117·18 |
| | | *Alipore Doar* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 79·66 | ? |
| | | *Fallacotta* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 90·07 | ? |
| | | *Debiganj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 69·34 | ? |
| | Cooch Behar | Dinhatta | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·04 | 89·79 | 92·57 |
| | | Cooch Behar | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·02 | 89·26 | 118·11 |
| | | Mickhgunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | Nil | 74·60 | 107·78 |
| | | Matabhanga | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·01 | 72·54 | 116·49 |
| | Darjeeling Hills | Buxa | ..... | ..... | ..... | ..... | 0·01 | ..... | ..... | 1 | 0·01 | 0·01 | 0·24 | 155·36 | 191·91 |
| | | Silliguri | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·91 | 81·57 | 103·05 |
| | | Darjeeling | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 87·17 | 108·21 |
| | | Kalimpong | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 68·22 | 82·48 |
| BEHAR | Purneah | Kissengunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 47·38 | 60·97 |
| | | Arrareah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 50·92 | 63·41 |
| | | Purneah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·04 | 45·89 | 61·09 |
| | | *Gondwara* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | ? |
| | | *Balarampore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | ? |
| | | *Matiari* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | ? |
| | | *Kaliaganj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 57·69 | ? |
| | North Bhagulpore. | Maddapur | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 55·61 | 49·29 |
| | | Soopool | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 41·15 | 47·99 |
| | | *Protabganj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·78 | ? |
| | Durbhunga | Tajpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·18 | 40·10 | 43·74 |
| | | Durbhunga | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·02 | 35·21 | 45·43 |
| | | Madhubani | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·15 | 40·72 | 44·89 |
| | | *Bahera* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 31·99 | ? |
| | | *Koshera* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 42·86 | ? |
| | Mozufferpore | Sitamarhi | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 31·71 | 42·74 |
| | | Mozufferpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 40·95 | 45·07 |
| | | Hajipore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 45·50 | 41·53 |
| | | *Para* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 36·72 | ? |
| | | *Mahua* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 36·09 | ? |
| | | *Sitahar* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 28·27 | ? |
| | | *Pupri* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 23·16 | ? |
| | Chumparun | Motihari | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 36·14 | 44·17 |
| | | Bettiah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 45·58 | 48·11 |
| | | *Bagaha* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 52·90 | ? |
| | | *Burhuriwa* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 38·66 | ? |

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 11th of January 1889—concl

| Meteorological Division. | District. | Station. | Rainfall. Saturday, 5th January 1889. | Sunday, 6th January. | Monday, 7th January. | Tuesday, 8th January. | Wednesday, 9th January. | Thursday, 10th January. | Friday, 11th January. | Total: Number of rainy days. | Total: Rainfall of week. | Total rainfall since 1st of month. | Average total rainfall from 1st of month. | Total rainfall since 15th May 1888. | Average rainfall from 1st to 5th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| North Behar —concluded. | Saran | Gopalgunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·04 | 36·00 | |
| | | Sewan | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·08 | 40·38 | |
| | | Chuprah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 35·89 | |
| South Behar | Shahabad | Buxar | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 40·74 | |
| | | Dehree | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 41·48 | |
| | | Bhubooah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 40·17 | |
| | | Sasseram | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 41·73 | |
| | | Arrah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 43·44 | |
| | | *Mohania* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 35·98 | |
| | Gya | Aurungabad | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·06 | 53·32 | |
| | | Gya | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·08 | 51·36 | |
| | | Nowadah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 47·85 | |
| | | Jehanabad | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·17 | 45·29 | |
| | | *Arwal* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·59 | |
| | | *Daudnagar* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 42·30 | |
| | | *Sherrghati* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 32·84 | |
| | | *Rajauli* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 27·95 | |
| | | *Pakri Barawa* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·06 | |
| | Patna | Patna | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·15 | 39·62 | |
| | | Dinapore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | 41·79 | |
| | | Behar | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 51·95 | |
| | | Barrh | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 53·97 | |
| | | *Bickram* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 38·00 | |
| | | *Hilsa* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 43·31 | |
| | Monghy | Begoosarai | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 46·07 | |
| | | Monghyr | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 53·61 | |
| | | Jamui | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 48·81 | |
| | | *Gogri* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 58·29 | |
| | | *Sheikpura* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 58·18 | |
| | South Bhagulpore | Bhagulpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 53·00 | |
| | | Banka | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 39·88 | |
| | | *Kolgong* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 50·38 | |
| | Sonthal Pergunnahs | Rajmenal | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·62 | 46·56 | |
| | | Godda | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 47·64 | |
| | | Pakour | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 61·53 | |
| | | Nya Doomka | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·16 | 51·27 | |
| | | Deognur | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 51·89 | |
| | | Jamtara | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·15 | 53·51 | |
| | | *Mohagama* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 28·22 | |
| | | *Nanihat* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 55·42 | |
| Chutia Nagpur. | Hazaribagh | Pachamba (*Giridi*) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 54·52 | |
| | | Hazaribagh | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·17 | 54·83 | |
| | | Semtagurah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·32 | 54·31 | |
| | | Mahudi Hills | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·30 | 62·15 | |
| | | Jhoomrah Hills | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 49·95 | |
| | | *Barki* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 51·85 | |
| | | *Chatra* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 51·81 | |
| | | *Karaydeha* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 46·33 | |
| | | *Gamghar* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·45 | 46·47 | |
| | Lohardugga | Lohardugga | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 52·82 | |
| | | Kanchi | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 51·45 | |
| | | Palamow | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | |
| | | *Silli* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 42·42 | |
| | | *Balumat* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | |
| | | *Hosseinabad* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 46·08 | |
| | | *Garwah* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 40·44 | |
| | Singbhoom | Chyebassa | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 54·09 | |
| | | *Chakradharpore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 54·39 | |
| | | *Ghatsilla* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 58·45 | |
| | | *Baharagura* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 56·51 | |
| | Manbhoom | Purulia | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 56·18 | |
| | | Gobindpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 53·20 | |
| | | *Kaghunathpore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 50·04 | |
| | | *Barrabhoom* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | | | | | | |
| | | *Jhalda* | | | | | | | | | | | | | |
| | | *Chas* | | | | | | | | | | | | | |

*Explanation.*—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of t
are wanting, the corresponding spaces in the total rainfall columns are left blank.

Calcutta, *the* 15*th January* 1889.

## SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 11TH OF JANUARY 1889.

DURING the week fine weather has again prevailed over the whole reporting area. The very high pressure over South Bengal, and the northern part of the Bay, which obtained during the early part of the week, was accompanied by light irregular breezes, and almost cloudless skies. These light winds had in Bengal and over the northern half of the Bay a westerly tendency, but further south, strong north-easterly winds have prevailed From the middle of the week, the abnormally high pressure began to give way, and, with the exception of Thursday, the 10th, pressure continued to fall to the end of the week, the fall on the last day being rapid, and at some stations almost equalling a tenth of an inch. The temperature changed by small irregular amounts, humidity increased, and light variable winds became common in Bengal and over the Bay. Pressure was above the normal the first three days of the week, but during the latter half, the continued falls resulted in a defect. Temperature has been about normal, and humidity high. Slight clouds have been reported from some districts of Bengal, but generally fine cloudless weather has prevailed with light variable north-westerly winds, high pressure, and fairly steady temperature.

*Pressure.*—On Saturday, the first day of the week, a general small rise took place, and pressure was almost uniform over the province and the Bay. On Sunday a rapid rise began, the greatest changes being reported from the East Coast stations and those of North-East Bengal. The rise continued till Monday, the 7th, when abnormally high pressures were recorded in South-West Bengal and Orissa in some cases exceeding 30·2 inches. Gradients over the Bay became very steep. Afterwards the pressure began to fall, and this fall continued, with the exception of Thursday, the 10th, to the end of the week. The fall was most rapid at the head of the Bay. The total change during the week has been very small, and but for the difference of pressure in the Bay being not quite so large as they were, the pressure distribution at the end of this week is almost identical with that at the close of the preceding week.

The general average pressure for the week has been above the normal in all districts, the excess averaging 0·04 inch. The excess is, however, smallest in the north of the province as indicated by such stations as Purneah and Durbhunga, and in South-West Bengal as represented by Calcutta and Burdwan, while it is comparatively large in East and Central Bengal.

*Temperature.*—The changes of temperature have been small and irregular, and there has been no general variation from the mean, some stations reporting small excess, and the others a similar defect. At the beginning of the week a slight rise was reported from almost all stations. This rise continued in Bengal for the three first days of the week, but a fall, commencing in Burmah on Monday, became general, and slight falls were everywhere reported on Tuesday, the 8th. After that, though the changes were very irregular, slight falls were generally reported. On Friday, the 11th, a rise occurred over the whole of Bengal, but several Burmah stations and Chittagong reported a slight fall.

The mean temperature for the week for the whole province has been about one degree below the normal; but while defective temperatures have been recorded in the north and east of the province as indicated by such districts as North Behar, North Bengal, and East Bengal; on the other hand, South Behar and Chutia Nagpur have shown excess temperatures. The lowest temperature reported during the week is from Burdwan, where 44·0° was registered on the 7th. The minimum or night temperatures have indeed been distinctly low during the week. This is shown clearly in the following table, where the average maximum, minimum and mean temperatures for the week at nine typical stations in the province are compared with the normal values for the same period. At almost all these stations the minimum or night temperatures have been in defect of the normal, while the day temperatures have been in considerable excess.

*Table showing the excess or defect of the actual mean temperature from the normal for the week ending the 11th of January 1889.*

| | Normal mean maximum temperature for the week ending 11th January. | Actual mean maximum temperature for the week ending 11th January 1889. | Variation of actual mean from the normal. | Normal mean minimum temperature for the week ending 11th January. | Actual mean minimum temperature for the week ending 11th January 1889. | Variation of actual mean from the normal. | Normal mean daily temperature for the week ending 11th January. | Actual mean daily temperature for the week ending 11th January 1889. | Variation of actual mean from the normal. |
|---|---|---|---|---|---|---|---|---|---|
| Cuttack ... ... ... ... ... | 83·7 | 84·5 | +0·8 | 58·9 | 57·4 | −1·5 | 71·3 | 71·0 | −0·3 |
| Calcutta ... ... ... ... ... | 76·1 | 76·9 | +0·8 | 54·3 | 52·4 | −1·9 | 65·2 | 64·7 | −0·5 |
| Dacca ... ... ... ... ... | 76·8 | 78·4 | +1·6 | 53·7 | 52·5 | −1·2 | 65·2 | 65·4 | +0·2 |
| Burdwan ... ... ... ... ... | 77·3 | 79·7 | +2·4 | 53·7 | 47·9 | −5·8 | 65·5 | 63·8 | −1·7 |
| Patna ... ... ... ... ... | 72·3 | 74·3 | +2·0 | 50·3 | 48·3 | −2·0 | 61·3 | 61·3 | 0 |
| Gya ... ... ... ... ... | 73·6 | 76·5 | +2·9 | 50·8 | 49·6 | −1·2 | 62·2 | 63·0 | +0·8 |
| Purneah ... ... ... ... ... | 74·8 | 75·8 | +1·0 | 47·7 | ? | — | 61·3 | ? | — |
| Hazaribagh ... ... ... ... ... | 72·4 | 75·1 | +2·7 | 49·3 | 49·7 | +0·4 | 60·9 | 62·4 | +1·5 |
| Darjeeling ... ... ... ... ... | 46·4 | 47·4 | +1·0 | 35·6 | 35·5 | −0·1 | 41·0 | 41·5 | +0·5 |

*Rainfall*—Has been entirely absent from the province throughout the whole week, except for a few drops of rain which fell at Buxa in the Darjeeling Hills district on the 9th instant.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 11th of January 1889 :—

| Meteorological Divisions. | Temperature. | | | | | | Rainfall. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest observed during week. | Lowest observed during week. | Averages for week. | | | Average mean of week above or below normal mean of week. | Of week. | | | Rainy days. | | | Since 1st of month. | | Since 15th May 1888. | |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | | Average. | Normal average. | Variation. | Average number in week. | Normal average number in week. | Variation. | Average. | Normal average. | Average. | Normal average. |
| Orissa ... ... ... | 86·4 | 49·4 | 80·3 | 57·3 | 68·8 | 0 | Nil | 0·03 | —0·03 | 0·0 | 0·1 | —0·1 | Nil | 0·06 | 50·48 | 53·16 |
| South-West Bengal ... | 84·3 | 44·0 | 78·6 | 50·6 | 64·6 | —0·6 | Nil | 0·08 | —0·08 | 0·0 | 0·2 | —0·2 | Nil | 0·11 | 54·52 | 51·65 |
| East Bengal ... ... | 80·1 | 46·0 | 73·9 | 51·3 | 62·6 | —1·8? | Nil | 0·11 | —0·11 | 0·0 | 0·2 | —0·2 | Nil | 0·16 | 70·57 | 73·91 |
| North Bengal ... ... | 79·0 | 44·2 | 73·8 | 48·1 | 61·0 | —1·8? | Nil | 0·07 | —0·07 | 0·0 | 0·2 | —0·2 | Nil | 0·07 | 53·19 | 70·09 |
| North Behar ... ... | 76·7 | 46·0 | 62·2 | 48·9 | 55·1 | —5·9? | Nil | 0·05 | —0·05 | 0·0 | 0·2 | —0·2 | Nil | 0·09 | 41·61 | 48·27 |
| South Behar ... ... | 79·3 | 43·9 | 75·8 | 48·3 | 62·1 | +0·4 | Nil | 0·08 | —0·08 | 0·0 | 0·2 | —0·2 | Nil | 0·10 | 48·19 | 43·40 |
| Chutia Nagpur ... ... | 78·9* | 45·4* | 75·4* | 49·4* | 62·4* | +1·9* | Nil | 0·17 | —0·17 | 0·0 | 0·3 | —0·3 | Nil | 0·18 | 50·17 | 49·09 |

* Chyebassa not included.

Meteorological Office, Bengal;
*The 15th January* 1889.

A. Pedler,
*Offg. Meteorological Reporter to the Govt. of Bengal.*

## Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 6th to 12th January 1889.

| Month. | Date. | Temperature. | | | | Mean wet bulb. | Hygrometry. | | | Rain. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean. | Maximum. | Range. | Minimum. | | Vapour tension. | Dew point. | Humidity. | |
| 1889. | | ° | ° | ° | ° | ° | Inches. | ° | % | Inches. |
| January ... | 6th ... | 66·9 | 79·9 | 22·5 | 56·4 | 62·1 | ·495 | 58·7 | 75 | Nil. |
| ,, ... | 7th ... | 67·5 | 79·9 | 24·6 | 55·3 | 60·7 | ·442 | 55·5 | 66 | ,, |
| ,, ... | 8th ... | 64·4 | 77·3 | 24·6 | 52·7 | 57·7 | ·390 | 52·1 | 64 | ,, |
| ,, ... | 9th ... | 62·8 | 76·0 | 25·3 | 50·2 | 56·2 | ·366 | 50·3 | 64 | ,, |
| ,, ... | 10th ... | 64·5 | 78·1 | 27·4 | 50·7 | 57·6 | ·385 | 51·7 | 63 | ,, |
| ,, ... | 11th ... | 66·7 | 80·5 | 26·6 | 53·9 | 62·0 | ·495 | 58·7 | 75 | ,, |
| ,, ... | 12th ... | 72·1 | 84·8 | 23·1 | 61·7 | 67·5 | ·614 | 64·8 | 78 | ,, |

| | |
|---|---|
| | ° |
| The mean temperature of the seven days ... ... ... | 66·4 |
| The extreme variation of temperature ... ... ... | 34·6 |
| The maximum temperature ... ... ... ... | 84·8 |
| | % |
| The mean relative humidity ... ... ... ... | 69 |
| | Inches. |
| The total fall of rain from 6th to 12th January 1889 ... ... | Nil |

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

Meteorological Office, India;
*The 14th January* 1889.

A. Pedler,
*For Offg. Meteorological Reporter to the Govt. of India.*

## MEMORANDUM.

FROM the annexed table, exhibiting the mortuary statistics of the districts in Bengal for the month of October 1888, it appears—

1. That the deaths of 149,631 persons were registered out of a population of 66,055,695, presenting a death-rate of 27·12 per 1,000 per annum, against 22·20 per 1,000 during the preceding month, and 24·48 per 1,000 during the corresponding month of 1887, indicating, as compared with both the past periods, a considerable advance in the registration of deaths.

2. That the undermentioned districts returned the highest proportions of deaths :—

| *Districts.* | Ratio per *mille.* | *Districts.* | Ratio per *mille.* |
|---|---|---|---|
| Shahabad ... | 57·96 | 24-Pergunnahs ... | 28·20 |
| Gya ... | 55·32 | Murshedabad ... | 28·20 |
| Monghyr ... | 40·56 | Khulna ... | 27·84 |
| Maldah ... | 40·08 | Howrah ... | 27·24 |
| Hazaribagh ... | 39·60 | Purneah ... | 26·88 |
| Julpaiguri ... | 38·52 | Rajshahye ... | 26·04 |
| Lohardugga ... | 37·92 | Noakhali ... | 25·56 |
| Bhagulpore ... | 34·68 | Midnapore ... | 25·44 |
| Patna ... | 33·60 | Nuddea ... | 25·32 |
| Dinajpur ... | 31·08 | Backerganj ... | 25·32 |
| Darjiling ... | 30·12 | Serampore ... | 25·20 |

3. That the diseases, as classified in the following table, furnish the death-rates exhibited below, in contrast with the results of the corresponding month of the preceding year :—

| | Ratio per *mille* during— | |
|---|---|---|
| | October 1888. | October 1887. |
| Cholera ... ... ... ... | ·84 | ·48 |
| Small-pox ... ... ... ... | ·02 | ·01 |
| Fever ... ... ... ... | 21·00 | 19·44 |
| Bowel-complaints ... ... ... ... | ·84 | ·72 |
| Injury ... ... ... ... | ·36 | ·36 |
| Other causes ... ... ... ... | 3·84 | 3·24 |

The above figures denote that there was an increase of mortality from all the death-causes (excepting injury), particularly from fever.

4. That cholera, fever, and the maladies classed under the head of "Other causes" were noticeably fatal in the following districts. The other diseases do not appear to have prevailed with more than ordinary severity anywhere :—

| *Cholera.* | Ratio per *mille.* | *Fever.* | Ratio per *mille.* | *Other Causes.* | Ratio per *mille.* |
|---|---|---|---|---|---|
| Howrah ... | 3·48 | Shahabad ... | 47·16 | Puri ... | 10·92 |
| Maldah ... | 3·48 | Gya ... | 46·68 | Sarun ... | 9·12 |
| Shahabad ... | 3·12 | Julpaiguri ... | 35·40 | | |
| Mozufferpore ... | 3·00 | Maldah ... | 33·84 | | |
| 24-Pergunnahs ... | 2·64 | Hazaribagh ... | 33·60 | | |
| Bhagulpore ... | 2·28 | Monghyr ... | 31·92 | | |
| | | Dinajpur ... | 29·64 | | |
| | | Lohardugga ... | 27·72 | | |
| | | Bhagulpore ... | 27·00 | | |
| | | Murshedabad ... | 24·96 | | |
| | | Purneah ... | 24·96 | | |
| | | Rajshahye ... | 23·88 | | |
| | | Patna ... | 23·64 | | |
| | | Khulna ... | 23·28 | | |
| | | Jessore ... | 22·32 | | |
| | | Rungpore ... | 22·08 | | |
| | | Pubna ... | 21·60 | | |
| | | Nuddea ... | 21·36 | | |
| | | Bogra ... | 21·00 | | |
| | | Noakhali ... | 21·00 | | |
| | | Darjiling ... | 20·88 | | |

5. That the death-rates under the heads of *Sex*, *Class* and *Age*, stood as noted below :—

| *According to Sex.* | Ratio per *mille.* |
|---|---|
| Males ... ... | 28·56 |
| Females ... ... | 25·68 |
| Ratio of male deaths to every 100 female deaths ... | 109 |

| *According to Class.* | Ratio per *mille.* |
|---|---|
| Christians ... ... | 21·60 |
| Hindus ... ... | 28·56 |
| Mahomedans ... | 24·60 |
| Budhists ... ... | 15·00 |
| Other classes ... | 24·72 |

| *According to Age.* | Ratio per *mille.* |
|---|---|
| Under 1 year ... | 196·68 |
| 1 and under 5 years ... | 31·56 |
| 5 „ „ 10 „ ... | 15·00 |
| 10 „ „ 15 „ ... | 12·72 |
| 15 „ „ 20 „ ... | 16·56 |
| 20 „ „ 30 „ ... | 16·32 |
| 30 „ „ 40 „ ... | 18·36 |
| 40 „ „ 50 „ ... | 24·84 |
| 50 „ „ 60 „ ... | 37·32 |
| 60 years and upwards ... | 67·20 |

*The 11th January 1889.*

W. H. GREGG, *Dip. Publ. Health, Camb.*,
*Offg. Sanitary Commissioner for Bengal.*

## *Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of October* 1888

| 1 | 2 | 3 | | | 4 | | | | | | | 5 | | | | | | | 6 | | 7 | | 8 | | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DIVISIONS. | DISTRICTS. | POPULATION. | | | MORTALITY ACCORDING TO— Disease. DEATHS FROM— | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | COMPARISON WITH PREVIOUS PERIODS. | | Sex. DEATHS AMONG— | | Sex. RATIO PER 1,000 OF POPULATION PER ANNUM. | | |
| | | Males. | Females. | Total. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Ratio of deaths per 1,000 of population per annum in the previous month. | Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year. | Males. | Females. | Males. | Females. | Ratio of male deaths to every 100 female deaths. |
| BURDWAN | Burdwan | 668,295 | 723,528 | 1,391,823 | 52 | 1 | 1,874 | 51 | 26 | 449 | 2,453 | ·36 | ·008 | 16·08 | ·36 | ·12 | 3·84 | 21·00 | 18·60 | 22·30 | 1,300 | 1,151 | 23·28 | 19·80 | 113 |
| | Bankura | 507,136 | 534,616 | 1,041,752 | 16 | 1 | 1,243 | 25 | 17 | 260 | 1,562 | ·12 | ·01 | 14·28 | ·24 | ·12 | 2·88 | 17·88 | 17·64 | 16·08 | 809 | 745 | 19·08 | 16·92 | 117 |
| | Birbhum | 381,563 | 412,865 | 794,428 | 7 | ..... | 1,241 | 10 | 14 | 384 | 1,656 | ·09 | ..... | 18·72 | ·12 | ·12 | 5·76 | 24·96 | 21·48 | 29·88 | 837 | 819 | 25·32 | 23·76 | 102 |
| | Midnapore | 1,243,193 | 1,272,370 | 2,515,563 | 151 | ..... | 4,143 | 291 | 88 | 675 | 5,348 | ·72 | ..... | 19·68 | 1·32 | ·36 | 3·12 | 25·44 | 21·96 | 22·80 | 2,794 | 2,554 | 26·88 | 24·90 | 108 |
| | Hughli | 315,665 | 347,385 | 663,050 | 34 | ..... | 949 | 128 | 29 | 219 | 1,359 | ·60 | ..... | 17·16 | 2·28 | ·36 | 3·96 | 24·48 | 18·96 | 24·60 | 707 | 652 | 26·76 | 23·44 | 124 |
| | Serampore | 174,366 | 177,589 | 351,955 | 39 | ..... | 422 | 96 | 19 | 164 | 740 | 1·32 | ..... | 14·04 | 3·24 | ·60 | 6·52 | 25·20 | 19·56 | 20·52 | 496 | 334 | 27·84 | 22·56 | 124 |
| | Total (Hughli including Serampore) | 490,031 | 524,974 | 1,015,005 | 73 | ..... | 1,371 | 224 | 48 | 383 | 2,099 | ·84 | ..... | 16·20 | 2·64 | ·48 | 4·44 | 24·72 | 19·08 | 22·80 | 1,113 | 936 | 27·24 | 22·44 | 112 |
| PRESIDENCY | Howrah | 316,479 | 318,902 | 635,381 | 189 | 1 | 685 | 273 | 31 | 266 | 1,445 | 3·48 | ·01 | 12·84 | 5·04 | ·48 | 4·92 | 27·24 | 20·88 | 24·24 | 798 | 647 | 30·24 | 24·24 | 123 |
| | 24-Pergunnahs | 975,430 | 894,429 | 1,869,859 | 419 | 4 | 2,957 | 334 | 94 | 602 | 4,410 | 2·64 | ·02 | 18·96 | 2·04 | ·60 | 3·84 | 28·20 | 22·32 | 27·36 | 2,475 | 1,935 | 30·36 | 25·92 | 127 |
| | Nuddea | 805,779 | 849,942 | 1,655,721 | 35 | 3 | 2,962 | 16 | 75 | 415 | 3,506 | ·24 | ·01 | 21·36 | ·10 | ·48 | 3·00 | 25·32 | 16·08 | 35·04 | 1,848 | 1,633 | 27·72 | 23·04 | 114 |
| | Jessore | 939,271 | 980,104 | 1,939,375 | 25 | ..... | 3,616 | 10 | 84 | 168 | 3,903 | ·12 | ..... | 22·32 | ·06 | ·48 | ·96 | 24·12 | 12·36 | 21·12 | 2,073 | 1,830 | 25·92 | 21·32 | 105 |
| | Murshidabad | 586,483 | 640,307 | 1,226,790 | 19 | ..... | 2,553 | 18 | 39 | 266 | 2,895 | ·12 | ..... | 24·96 | ·12 | ·36 | 2·52 | 28·20 | 23·64 | 42·72 | 1,489 | 1,406 | 34·56 | 29·28 | 101 |
| | Khulna | 568,402 | 511,546 | 1,079,948 | 6 | 2 | 2,099 | 7 | 34 | 364 | 2,512 | ·06 | ·01 | 23·28 | ·07 | ·36 | 3·96 | 27·84 | 13·72 | 24·84 | 1,266 | 1,246 | 29·64 | 29·64 | 117 |
| RAJSHAHYE | Dinajpur | 782,292 | 732,054 | 1,514,346 | ..... | ..... | 3,749 | 8 | 26 | 143 | 3,926 | ..... | ..... | 29·64 | ·06 | ·12 | 1·08 | 31·08 | 25·08 | 44·40 | 2,117 | 1,809 | 32·40 | 29·64 | 113 |
| | Rajshahye | 660,226 | 678,412 | 1,338,638 | 15 | ..... | 2,668 | 5 | 68 | 155 | 2,911 | ·12 | ..... | 23·88 | ·03 | ·60 | 1·32 | 26·04 | 19·08 | 28·08 | 1,549 | 1,342 | 28·08 | 24·00 | 115 |
| | Bungpore | 1,067,701 | 1,030,263 | 2,097,964 | ..... | ..... | 3,875 | 8 | 24 | 324 | 4,231 | ..... | ..... | 22·08 | ·03 | ·12 | 1·80 | 24·12 | 19·56 | 32·52 | 2,243 | 1,985 | 25·20 | 22·04 | 112 |
| | Bogra | 372,677 | 361,681 | 734,358 | 13 | ..... | 1,292 | 2 | 32 | 191 | 1,530 | ·12 | ..... | 21·00 | ·07 | ·48 | 1·08 | 23·16 | 15·96 | 27·12 | 809 | 731 | 26·04 | 21·88 | 112 |
| | Pubna | 648,311 | 663,417 | 1,311,728 | 4 | ..... | 2,372 | 9 | 29 | 126 | 2,540 | ·003 | ..... | 21·60 | ·07 | ·24 | 1·08 | 23·16 | 15·96 | 26·04 | 1,467 | 1,073 | 27·12 | 19·32 | 136 |
| | Darjiling | 89,398 | 66,739 | 156,137 | ..... | ..... | 273 | 63 | 8 | 49 | 393 | ..... | ..... | 29·88 | 4·80 | ·60 | 2·28 | 38·52 | 22·32 | 35·40 | 214 | 849 | 40·44 | 35·48 | 119 |
| | Jalpaiguri | 305,555 | 276,007 | 581,562 | 19 | ..... | 1,718 | 6 | 16 | 113 | 1,872 | ·36 | ..... | 35·40 | ·12 | ·24 | 5·04 | 21·60 | 13·56 | 18·96 | 1,032 | 1,749 | 24·12 | 19·32 | 122 |
| DACCA | Dacca | 1,033,862 | 1,082,487 | 2,116,350 | 79 | 2 | 2,621 | 162 | 59 | 907 | 3,830 | ·36 | ·01 | 14·76 | ·84 | ·24 | 5·04 | 21·60 | 13·08 | 13·08 | 2,081 | 1,150 | 21·84 | 16·80 | 118 |
| | Faridpore | 805,989 | 825,745 | 1,631,734 | 17 | 7 | 2,099 | 43 | 52 | 423 | 2,632 | ·12 | ·04 | 15·36 | ·24 | ·36 | 3·60 | 19·32 | 10·92 | 27·84 | 1,472 | 2,016 | 24·72 | 28·04 | 99 |
| | Backerganj | 973,479 | 927,410 | 1,900,889 | 10 | 3 | 2,638 | 46 | 91 | 1,235 | 4,023 | ·06 | ·01 | 15·36 | ·24 | ·48 | 7·68 | 25·32 | 18·84 | 16·20 | 2,007 | 2,172 | 19·92 | 17·28 | 118 |
| | Mymensing | 1,553,397 | 1,498,569 | 3,051,966 | 14 | 30 | 3,854 | 81 | 48 | 727 | 4,754 | ·04 | ·10 | 15·12 | ·72 | ·24 | 2·76 | 18·60 | 15·00 | 15·12 | 2,532 | 946 | 22·08 | 18·84 | 103 |
| CHITTAGONG | Chittagong | 531,649 | 600,692 | 1,132,341 | ..... | ..... | 1,552 | 74 | 82 | 218 | 1,926 | ..... | ..... | 16·44 | ·72 | ·84 | 3·12 | 25·56 | 17·04 | 18·96 | 980 | 915 | 24·12 | 27·00 | 91 |
| | Noakhali | 415,248 | 405,524 | 820,772 | ..... | ..... | 1,437 | 16 | 79 | 221 | 1,753 | ..... | ..... | 21·00 | ·12 | 1·08 | 3·12 | 25·56 | 16·08 | 19·56 | 858 | 1,178 | 19·68 | 18·84 | 107 |
| | Tipperah | 770,893 | 748,445 | 1,519,338 | ..... | 10 | 1,544 | 67 | 69 | 755 | 2,445 | ..... | ·07 | 19·12 | ·48 | ·48 | 5·88 | 19·20 | 16·08 | 19·56 | 1,257 | 2,429 | 34·92 | 32·40 | 103 |
| | Patna | 858,783 | 898,073 | 1,756,856 | 203 | 2 | 3,466 | 251 | 86 | 924 | 4,932 | 1·32 | ·01 | 23·64 | 1·68 | ·48 | 6·24 | 33·60 | 32·64 | 25·04 | 2,503 | 2,963 | 54·43 | 53·16 | 106 |
| PATNA | Gya | 1,043,441 | 1,081,241 | 2,124,682 | 351 | 18 | 8,274 | 135 | 168 | 915 | 9,801 | 1·32 | ·09 | 46·68 | ·72 | ·60 | 5·16 | 55·32 | 53·52 | 29·52 | 4,738 | 5,016 | 56·64 | 59·28 | 89 |
| | Shahabad | 950,250 | 1,014,659 | 1,964,909 | 525 | 3 | 7,737 | 64 | 99 | 1,087 | 9,506 | 3·12 | ·01 | 47·16 | ·36 | ·48 | 6·60 | 57·96 | 39·60 | 23·76 | 4,490 | 2,411 | 27·84 | 21·96 | 122 |
| | Mozufferpore | 1,263,731 | 1,316,329 | 2,582,060 | 654 | 3 | 3,899 | 201 | 92 | 506 | 5,355 | 3·00 | ·01 | 18·12 | ·36 | ·24 | 2·28 | 24·84 | 20·88 | 11·40 | 2,944 | 1,944 | 15·60 | 15·60 | 110 |
| | Durbhanga | 1,295,788 | 1,337,659 | 2,633,447 | 7 | ..... | 3,298 | 105 | 75 | 211 | 3,696 | ·02 | ..... | 15·00 | ·36 | ·48 | ·72 | 16·80 | 13·80 | 15·36 | 1,252 | 1,252 | 18·00 | 19·92 | 118 |
| | Sarun | 1,083,565 | 1,196,817 | 2,280,382 | 199 | 8 | 2,918 | 288 | 102 | 1,735 | 4,350 | ·96 | ·03 | 10·56 | 1·44 | ·36 | 5·16 | 24·12 | 27·60 | 19·20 | 1,587 | 1,529 | 25·80 | 23·52 | 117 |
| | Chumparun | 870,627 | 850,981 | 1,721,608 | 85 | 27 | 2,512 | 22 | 68 | 747 | 3,461 | ·48 | ·12 | 17·40 | ·12 | ·36 | 6·12 | 40·56 | 24·52 | 40·32 | 3,422 | 3,344 | 42·36 | 38·88 | 105 |
| BHAGULPORE | Monghyr | 969,124 | 1,000,650 | 1,969,774 | 237 | ..... | 5,247 | 49 | 116 | 1,017 | 6,666 | 1·44 | ..... | 31·92 | ·24 | ·72 | 4·32 | 34·68 | 24·72 | 32·88 | 2,980 | 2,720 | 36·48 | 33·00 | 109 |
| | Bhaguipore | 979,119 | 987,039 | 1,966,158 | 376 | 2 | 4,428 | 106 | 71 | 717 | 5,700 | 2·28 | ·01 | 27·00 | ·60 | ·36 | ·60 | 26·88 | 15·00 | 25·32 | 2,221 | 1,941 | 28·44 | 25·20 | 115 |
| | Purneah | 937,080 | 911,607 | 1,848,687 | 216 | 4 | 3,850 | 6 | 32 | 109 | 4,142 | ·96 | ·02 | 24·96 | ·03 | ·12 | 2·16 | 40·08 | 20·52 | 47·40 | 1,324 | 1,050 | 45·72 | 31·56 | 126 |
| | Maldah | 346,998 | 363,420 | 710,448 | 28 | ..... | 1,669 | 21 | 42 | 194 | 1,954 | ·12 | ..... | 33·84 | ·12 | ·24 | 1·44 | 14·88 | 15·72 | 15·48 | 1,090 | 864 | 16·56 | 13·20 | 127 |
| | Southal Pergunnahs | 785,330 | 782,763 | 1,568,093 | 135 | 3 | 1,348 | 323 | 99 | 854 | 2,742 | ·84 | ·01 | 12·72 | 2·04 | ·60 | 5·52 | 18·24 | 20·28 | 16·56 | 1,424 | 1,318 | 19·44 | 17·16 | 108 |
| ORISSA | Cuttack | 877,702 | 917,363 | 1,795,065 | 76 | 12 | 237 | 168 | 44 | 814 | 1,351 | ·96 | ·12 | 9·00 | 2·16 | ·48 | 10·92 | 18·24 | 17·52 | 21·48 | 715 | 636 | 19·20 | 17·16 | 113 |
| | Puri | 446,669 | 441,878 | 888,487 | 29 | 4 | 882 | 326 | 43 | 443 | 1,757 | ·36 | ·04 | 11·16 | 4·44 | ·48 | 5·52 | 22·20 | 18·96 | 19·44 | 868 | 889 | 22·56 | 21·96 | 97 |
| CHOTA NAGPORE | Balasore | 461,461 | 483,819 | 945,280 | 66 | 1 | 3,095 | 113 | 46 | 532 | 3,653 | ·60 | ·01 | 33·60 | 1·20 | ·48 | 5·60 | 39·60 | 43·80 | 29·28 | 1,851 | 1,829 | 40·68 | 38·52 | 102 |
| | Hazaribagh | 544,963 | 559,839 | 1,104,742 | 32 | ..... | 3,728 | 422 | 33 | 864 | 5,079 | ·24 | ..... | 27·72 | 3·12 | ·24 | 6·36 | 37·92 | 33·36 | 29·28 | 2,550 | 2,539 | 38·40 | 37·44 | 100 |
| | Lohardugga | 796,657 | 812,587 | 1,609,244 | 77 | ..... | 586 | 79 | 29 | 118 | 889 | 1·92 | ..... | 15·48 | 2·04 | ·48 | 3·12 | 23·16 | 25·80 | 14·52 | 494 | 386 | 26·04 | 20·28 | 127 |
| | Singbhum | 226,681 | 227,094 | 453,775 | 18 | ..... | 1,290 | 80 | 18 | 261 | 1,667 | ·12 | ..... | 14·52 | ·84 | ·12 | 2·88 | 18·84 | 24·24 | 15·12 | 925 | 742 | 21·12 | 16·68 | 124 |
| | Manbhum | 525,328 | 532,900 | 1,058,228 | | | | | | | | | | | | | | | | | | | | | |

MORTALITY ACCORDING TO—

| DIVISIONS. | DISTRICTS. | Class. Deaths among— | | | | | Class. Ratio per 1,000 of population per annum. | | | | | Age. Deaths. | | | | | | | | | Age. Ratio per 1,000 of population per annum. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. |
| BURDWAN | Burdwan | 1 | 2,031 | 429 | ..... | 1 | 13·08 | 21·72 | 19·08 | ..... | 18·60 | 459 | 205 | 186 | 117 | 151 | 317 | 267 | 247 | 206 | 298 | 174·48 | 18·72 | 13·32 | 10·44 | 14·76 | 14·88 | 14·40 | 19·32 | 25·44 | 44·88 |
| | Bankura | ..... | 1,419 | 57 | ..... | 86 | ..... | 18·60 | 14·76 | ..... | 12·12 | 259 | 156 | 124 | 92 | 110 | 164 | 193 | 147 | 118 | 203 | 113·04 | 15·36 | 9·84 | 5·40 | 13·92 | 10·68 | 15·72 | 25·44 | 22·68 | 43·08 |
| | Birbhum | ..... | 1,339 | 291 | ..... | 26 | ..... | 25·92 | 21·48 | ..... | 21·48 | 380 | 218 | 136 | 76 | 91 | 146 | 132 | 166 | 101 | 204 | 277·44 | 32·64 | 16·20 | 11·28 | 16·32 | 12·84 | 12·84 | 23·04 | 20·88 | 40·92 |
| | Midnapore | 3 | 4,760 | 395 | ..... | 280 | 48·69 | 25·56 | 22·20 | ..... | 28·56 | 910 | 676 | 333 | 237 | 270 | 538 | 551 | 550 | 444 | 839 | 174·60 | 29·52 | 11·40 | 11·40 | 14·16 | 13·56 | 18·00 | 28·08 | 37·20 | 73·44 |
| | Hughli | ..... | 1,090 | 269 | ..... | ..... | ..... | 24·48 | 24·84 | ..... | ..... | 227 | 130 | 99 | 36 | 88 | 224 | 143 | 144 | 105 | 163 | 160·56 | 26·40 | 17·28 | 6·36 | 17·64 | 20·76 | 15·96 | 22·80 | 26·28 | 52·92 |
| | Serampore | ..... | 638 | 102 | ..... | ..... | ..... | 26·16 | 20·64 | ..... | ..... | 143 | 89 | 47 | 31 | 45 | 86 | 99 | 63 | 58 | 79 | 171·24 | 33·48 | 16·68 | 12·12 | 17·16 | 14·64 | 20·40 | 18·48 | 27·48 | 48·72 |
| | Total (Hughli, including Serampore) | ..... | 1,728 | 371 | ..... | ..... | ..... | 25·08 | 23·52 | ..... | ..... | 370 | 219 | 146 | 67 | 133 | 310 | 242 | 207 | 163 | 242 | 164·52 | 28·80 | 17·04 | 8·64 | 17·52 | 18·60 | 17·52 | 21·24 | 26·64 | 51·48 |
| PRESIDENCY | Howrah | ..... | 1,178 | 207 | ..... | ..... | ..... | 27·00 | 24·24 | ..... | ..... | 223 | 232 | 88 | 69 | 89 | 172 | 133 | 113 | 100 | 226 | 143·64 | 40·92 | 13·44 | 13·44 | 18·60 | 16·92 | 16·92 | 22·20 | 31·92 | 69·84 |
| | 24-Pergunnahs | 47 | 2,889 | 1,483 | ..... | ..... | 40·32 | 29·88 | 25·32 | ..... | ..... | 631 | 619 | 367 | 151 | 260 | 597 | 505 | 380 | 329 | 571 | 154·84 | 35·88 | 18·12 | 10·32 | 20·52 | 20·28 | 21·12 | 24·48 | 35·64 | 69·36 |
| | Nuddea | 19 | 1,518 | 1,969 | ..... | ..... | 35·40 | 24·96 | 25·56 | ..... | ..... | 595 | 459 | 431 | 251 | 220 | 323 | 288 | 244 | 218 | 457 | 187·32 | 27·12 | 20·40 | 17·40 | 21·72 | 14·76 | 15·12 | 17·64 | 20·52 | 52·44 |
| | Jessore | ..... | 1,514 | 2,389 | ..... | ..... | ..... | 23·64 | 24·48 | ..... | ..... | 425 | 554 | 439 | 262 | 254 | 428 | 403 | 348 | 260 | 516 | 99·00 | 28·92 | 18·96 | 15·96 | 20·52 | 15·72 | 18·24 | 21·72 | 24·84 | 51·72 |
| | Murshidabad | ..... | 1,474 | 1,421 | ..... | ..... | ..... | 27·84 | 28·80 | ..... | ..... | 429 | 382 | 325 | 187 | 159 | 294 | 271 | 251 | 209 | 397 | 184·84 | 32·40 | 21·60 | 18·36 | 18·24 | 17·28 | 18·48 | 24·24 | 32·52 | 61·32 |
| | Khulna | 2 | 1,071 | 1,419 | ..... | ..... | 32·04 | 24·48 | 31·08 | ..... | ..... | 430 | 370 | 235 | 105 | 156 | 276 | 221 | 195 | 138 | 386 | 171·72 | 34·68 | 18·48 | 11·52 | 19·44 | 17·28 | 17·76 | 23·04 | 26·76 | 74·16 |
| RAJSHAHYE | Dinajpur | 2 | 1,788 | 2,133 | ..... | 3 | 52·44 | 29·88 | 32·16 | ..... | 24·72 | 650 | 670 | 336 | 200 | 213 | 514 | 459 | 346 | 233 | 299 | 222·72 | 46·20 | 15·84 | 15·96 | 21·84 | 23·88 | 24·36 | 28·20 | 35·88 | 48·12 |
| | Rajshahye | ..... | 695 | 2,216 | ..... | ..... | ..... | 23·52 | 24·60 | ..... | ..... | 353 | 444 | 401 | 188 | 163 | 331 | 345 | 264 | 177 | 245 | 135·12 | 33·76 | 22·32 | 16·80 | 18·72 | 17·64 | 21·48 | 24·72 | 29·76 | 41·76 |
| | Rungpore | ..... | 1,601 | 2,630 | ..... | ..... | ..... | 25·08 | 24·96 | ..... | ..... | 613 | 518 | 351 | 210 | 222 | 560 | 571 | 462 | 295 | 429 | 142·32 | 25·44 | 13·20 | 12·48 | 17·16 | 18·84 | 21·24 | 25·92 | 28·44 | 44·88 |
| | Bogra | ..... | 295 | 1,235 | ..... | ..... | ..... | 21·48 | 23·88 | ..... | ..... | 298 | 184 | 138 | 75 | 87 | 181 | 162 | 159 | 100 | 178 | 238·20 | 22·80 | 13·56 | 12·36 | 17·40 | 17·40 | 18·48 | 29·04 | 32·76 | 57·72 |
| | Pubna | ..... | 648 | 1,892 | ..... | ..... | ..... | 33·12 | 26·28 | 14·04 | 37·44 | 69 | 45 | 31 | 27 | 32 | 49 | 63 | 27 | 16 | 34 | 264·96 | 33·24 | 19·92 | 20·64 | 29·04 | 16·80 | 29·52 | 23·64 | 26·52 | 58·56 |
| | Darjiling | ..... | 351 | 18 | 22 | 2 | ..... | 36·72 | 42·72 | ..... | 61·08 | 383 | 226 | 136 | 86 | 96 | 235 | 211 | 224 | 106 | 169 | 284·76 | 39·24 | 18·48 | 16·92 | 27·60 | 29·28 | 29·76 | 45·72 | 37·56 | 62·88 |
| | Jalpaiguri | ..... | 1,106 | 743 | ..... | 23 | ..... | 29·16 | 19·20 | ..... | ..... | 549 | 221 | 191 | 141 | 144 | 273 | 244 | 228 | 187 | 384 | 162·60 | 16·20 | 9·48 | 9·72 | 14·28 | 16·56 | 13·08 | 17·52 | 22·80 | 48·24 |
| DACCA | Dacca | 15 | 1,611 | 2,204 | ..... | ..... | 20·40 | 22·46 | 21·12 | ..... | ..... | 736 | 552 | 318 | 168 | 189 | 352 | 346 | 273 | 231 | 674 | 150·00 | 22·80 | 11·40 | 8·88 | 13·32 | 12·60 | 14·76 | 17·52 | 24·60 | 60·84 |
| | Faridpore | ..... | 1,068 | 1,564 | ..... | ..... | ..... | 29·16 | 19·20 | ..... | ..... | 981 | 583 | 289 | 133 | 183 | 399 | 336 | 275 | 258 | 594 | 251·76 | 28·08 | 12·48 | 8·40 | 13·32 | 13·92 | 15·48 | 19·32 | 28·56 | 71·52 |
| | Backergunj | 7 | 1,159 | 2,857 | ..... | ..... | 22·56 | 22·20 | 27·60 | ..... | ..... | 811 | 563 | 376 | 229 | 329 | 665 | 482 | 362 | 344 | 656 | 130·68 | 16·44 | 9·00 | 8·88 | 15·72 | 14·16 | 13·80 | 16·44 | 26·52 | 46·08 |
| | Mymensing | ..... | 1,622 | 3,079 | ..... | 53 | ..... | 19·68 | 18·12 | ..... | 24·48 | 244 | 257 | 142 | 84 | 103 | 204 | 216 | 188 | 174 | 534 | 88·56 | 21·72 | 7·08 | 7·32 | 12·84 | 14·52 | 13·72 | 23·16 | 30·96 | 64·92 |
| CHITTAGONG | Chittagong | 5 | 428 | 1,415 | 78 | ..... | 56·76 | 18·60 | 21·12 | 17·28 | ..... | 413 | 292 | 134 | 58 | 66 | 147 | 146 | 110 | 120 | 267 | 212·88 | 31·20 | 12·12 | 7·80 | 11·40 | 13·44 | 16·56 | 18·84 | 31·08 | 74·52 |
| | Noakhali | ..... | 434 | 1,319 | ..... | ..... | ..... | 19·20 | 19·32 | ..... | ..... | 585 | 243 | 139 | 82 | 144 | 293 | 258 | 169 | 170 | 362 | 197·40 | 13·92 | 6·96 | 6·00 | 13·56 | 14·04 | 15·36 | 15·24 | 24·60 | 54·84 |
| | Tipperah | ..... | 821 | 1,624 | ..... | ..... | ..... | 34·68 | 26·40 | ..... | ..... | 1,025 | 670 | 269 | 155 | 126 | 465 | 457 | 472 | 592 | 710 | 296·88 | 37·80 | 13·44 | 11·04 | 13·32 | 19·08 | 21·36 | 30·00 | 56·64 | 66·00 |
| PATNA | Patna | 1 | 4,461 | 471 | ..... | ..... | ..... | 55·92 | 50·28 | ..... | ..... | 1,606 | 1,720 | 713 | 455 | 298 | 820 | 808 | 896 | 995 | 1,490 | 459·60 | 74·28 | 29·40 | 25·92 | 25·56 | 27·96 | 30·72 | 47·52 | 83·76 | 41·24 |
| | Gya | ..... | 8,822 | 278 | ..... | ..... | 124·92 | 48·92 | 48·20 | ..... | ..... | 1,713 | 1,452 | 703 | 337 | 227 | 804 | 824 | 837 | 924 | 1,688 | 457·92 | 71·04 | 30·96 | 19·80 | 21·36 | 29·40 | 32·88 | 50·76 | 92·52 | 159·72 |
| | Shahabad | ..... | 8,941 | 565 | ..... | ..... | ..... | 25·32 | 21·12 | ..... | ..... | 434 | 731 | 482 | 328 | 246 | 568 | 621 | 565 | 603 | 777 | 117·12 | 26·88 | 14·52 | 15·24 | 17·64 | 16·56 | 19·44 | 24·48 | 42·60 | 60·36 |
| | Mozufferpore | ..... | 4,798 | 557 | ..... | ..... | ..... | 17·18 | 13·44 | ..... | ..... | 320 | 458 | 369 | 197 | 165 | 374 | 412 | 422 | 418 | 570 | 76·20 | 17·04 | 10·68 | 9·24 | 11·04 | 10·32 | 12·24 | 18·00 | 29·40 | 48·48 |
| | Durbhanga | ..... | 3,346 | 350 | ..... | ..... | ..... | 23·16 | 19·20 | ..... | ..... | 638 | 531 | 234 | 176 | 128 | 367 | 411 | 396 | 428 | 1,041 | 143·16 | 22·80 | 8·40 | 8·88 | 10·32 | 12·12 | 14·04 | 19·80 | 36·60 | 92·64 |
| | Sarun | ..... | 3,898 | 452 | ..... | ..... | ..... | 34·68 | 26·40 | ..... | ..... | 503 | 447 | 257 | 122 | 104 | 324 | 333 | 394 | 356 | 619 | 136·44 | 26·28 | 12·60 | 8·28 | 10·80 | 13·44 | 14·76 | 26·28 | 41·04 | 77·64 |
| | Chumparun | 4 | 3,015 | 442 | ..... | ..... | ..... | 55·92 | 50·28 | ..... | ..... | 1,671 | 1,235 | 438 | 309 | 182 | 416 | 427 | 535 | 524 | 929 | 543·96 | 58·68 | 17·52 | 18·12 | 16·08 | 15·96 | 17·52 | 31·44 | 51·72 | 98·52 |
| | Monghyr | 3 | 6,072 | 585 | ..... | ..... | 24·72 | 24·48 | 21·84 | ..... | ..... | 932 | 899 | 525 | 357 | 253 | 613 | 596 | 516 | 436 | 573 | 303·48 | 46·80 | 20·16 | 20·28 | 21·36 | 21·84 | 23·40 | 33·40 | 48·24 | 71·76 |
| BHAGULPORE | Bhagulpore | 2 | 5,258 | 449 | ..... | 6 | 32·88 | 41·04 | 37·32 | ..... | 9·96 | 410 | 619 | 379 | 258 | 233 | 544 | 547 | 480 | 342 | 330 | 130·08 | 34·80 | 15·84 | 16·20 | 20·40 | 20·88 | 23·76 | 30·60 | 40·92 | 40·48 |
| | Purneah | 1 | 2,575 | 1,566 | ..... | ..... | 41·52 | 35·76 | 28·44 | ..... | ..... | 314 | 467 | 334 | 150 | 117 | 233 | 231 | 154 | 132 | 242 | 190·92 | 67·08 | 36·72 | 24·48 | 23·40 | 24·00 | 27·48 | 27·48 | 41·76 | 67·32 |
| | Maldah | ..... | 1,305 | 1,065 | ..... | ..... | 36·60 | 28·68 | 24·36 | ..... | ..... | 357 | 297 | 190 | 144 | 124 | 207 | 193 | 118 | 163 | 171 | 137·16 | 15·12 | 7·80 | 9·48 | 13·08 | 10·68 | 10·92 | 19·92 | 24·84 | 26·52 |
| | Santhal Pergunnahs | 2 | 1,305 | 137 | ..... | 4 | ..... | 41·28 | 38·76 | ..... | 27·48 | 624 | 286 | 176 | 82 | 133 | 217 | 275 | 242 | 224 | 483 | 199·32 | 15·12 | 7·80 | 5·04 | 11·64 | 8·52 | 13·68 | 18·12 | 23·28 | 51·48 |
| ORISSA | Cuttack | 1 | 2,680 | 61 | ..... | 510 | 7·80 | 18·36 | 15·00 | ..... | 9·96 | 297 | 164 | 85 | 36 | 54 | 113 | 129 | 101 | 126 | 246 | 234·36 | 17·28 | 7·92 | 4·80 | 9·60 | 8·52 | 12·24 | 14·40 | 25·56 | 59·64 |
| | Puri | ..... | 1,343 | 8 | ..... | ..... | 5·04 | 18·36 | 15·36 | ..... | ..... | 427 | 206 | 98 | 52 | 69 | 171 | 150 | 141 | 136 | 307 | 243·36 | 21·90 | 8·28 | 6·00 | 11·28 | 12·48 | 13·56 | 18·24 | 29·64 | 74·40 |
| | Balasore | 1 | 1,727 | 24 | ..... | ..... | ..... | 18·36 | 6·84 | ..... | ..... | 721 | 610 | 299 | 158 | 106 | 239 | 303 | 306 | 328 | 562 | 249·12 | 46·32 | 19·20 | 16·20 | 16·80 | 17·16 | 22·92 | 38·52 | 71·16 | 155·28 |
| CHOTA NAGPORE | Fazaribagh | ..... | 3,147 | 345 | ..... | 5 | 14·64 | 22·56 | 12·00 | ..... | 12·24 | 1,030 | 1,074 | 487 | 243 | 200 | 390 | 358 | 353 | 320 | 564 | 290·16 | 54·00 | 21·60 | 16·08 | 20·76 | 17·64 | 19·08 | 32·04 | 61·44 | 104·16 | |
| | Lohardugga | 64 | 2,509 | 326 | ..... | 161 | ..... | 40·80 | 39·00 | ..... | 26·28 | 64 | 49 | 46 | 82 | 77 | 83 | 73 | 111 | 181·20 | 31·68 | 10·32 | 11·40 | 14·40 | 13·20 | 14·40 | 25·44 | 38·88 | 68·28 | | |
| | Singbhum | 2 | 871 | 5 | ..... | 2,160 | 21·12 | 34·56 | 55·08 | ..... | 41·28 | 243 | 211 | 147 | 96 | 115 | 178 | 181 | 155 | 143 | 198 | 101·88 | 18·12 | 9·60 | 10·68 | 15·12 | 12·60 | 14·40 | 21·36 | 30·36 | 45·60 | |
| | Manbhum | 2 | 1,478 | 74 | ..... | 2 | 7·92 | 23·04 | 25·68 | ..... | 36·96 | 13: | 163 | 64 | 49 | 46 | 82 | 77 | 83 | 73 | 111 | 181·20 | 31·68 | 10·32 | 11·40 | 14·40 | 13·20 | 14·40 | 25·44 | 38·88 | 68·28 | | |
| | TOTAL FOR THE PROVINCE... | 184 | 102,090 | 43,822 | 100 | 3,435 | 21·60 | 28·26 | 24·60 | 15·00 | 24·72 | 20·52 | 243 | 211 | 147 | 96 | 115 | 178 | 181 | 155 | 143 | 198 | 101·88 | 18·12 | 9·60 | 10·68 | 15·12 | 12·60 | 14·40 | 21·36 | 30·36 | 45·60 | |
| | | 25,453 | 21,560 | 12,403 | 7,207 | 6,950 | 15,115 | 14,624 | 13,282 | 12,185 | 20,849 | 196·68 | 31·56 | 15·00 | 12·72 | 16·56 | 16·32 | 18·36 | 24·84 | 37·32 | 67·20 | | | | | | | | | | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 11th January* 1889.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

*Offg. Sanitary Commissioner for Bengal.*

## MEMORANDUM.

THE principal municipalities in Bengal returned, during the week ending 22nd December 1888, the birth and death-rates of 27·6 and 31·1 per 1,000 of population, respectively, as opposed to 25·7 and 29·8 per 1,000, respectively, in the preceding week ending 15th December, indicating an improvement in the registration of both events.

2. These events were returned in the highest proportions from the following municipalities:—

*Births.*

| | Ratio per *mille.* |
|---|---|
| Narainganj | 49·7 |
| Serampore | 47·1 |
| Comillah | 46·2 |
| Chupra | 44·9 |
| Rampore Beauleah | 44·6 |
| Durbhanga | 42·5 |
| Monghyr | 41·6 |
| Arrah | 34·7 |
| Dacca | 33·1 |
| Bhagulpore | 32·6 |
| Howrah | 31·5 |
| Purneah | 31·2 |

*Deaths.*

| | Ratio per *mille.* |
|---|---|
| Narainganj | 86·9 |
| Suburbs of Calcutta | 53·8 |
| Rampore Beauleah | 49·9 |
| Serampore | 49·1 |
| Jessore | 42·8 |
| Comillah | 38·5 |
| Purneah | 38·1 |
| Utterpara | 37·7 |
| Burdwan | 36·6 |
| Hughli | 36·3 |
| Dacca | 35·0 |
| Bali | 31·6 |
| Puri | 31·5 |

3. The subjoined table, taken from the general statement appended to this memorandum, indicates chiefly that, as compared with the results of the preceding week, cholera exhibited a decrease of mortality, while the number of deaths from bowel-complaints increased to a noticeable extent:—

| | Ratio per *mille* during the weeks ending— | |
|---|---|---|
| | 22nd December 1888. | 15th December 1888. |
| Cholera | 3·5 | 4·5 |
| Small-pox | ... | ·2 |
| Fever | 12·4 | 11·6 |
| Bowel-complaints | 5·9 | 4·1 |
| Injury | ·3 | ·2 |
| Other causes | 9·0 | 9·2 |

4. No death was reported from small-pox, and the casualties from injury were nowhere great. The other maladies enumerated above caused the greatest loss of life in the following municipalities:—

| *Cholera.* | Ratio per *mille.* | *Fever.* | Ratio per *mille.* | *Bowel-complaints.* | Ratio per *mille.* | *Other causes.* | Ratio per *mille.* |
|---|---|---|---|---|---|---|---|
| Narainganj | 41·5 | Purneah | 31·1 | Utterpara | 28·3 | Rampore Beauleah | 23·6 |
| Jessore | 18·3 | Comillah | 26·9 | Narainganj | 16·5 | Narainganj | 16·5 |
| Rampore Beauleah | 10·5 | Durbhanga | 22·8 | Burdwan | 15·3 | Serampore | 15·7 |
| Santipore | 8·8 | | | Suburbs of Calcutta | 13·0 | Bhagulpore | 15·4 |
| Howrah | 8·0 | | | Serampore | 11·8 | Puri | 14·7 |
| Suburbs of Calcutta | 7·0 | | | | | Dacca | 14·3 |
| Hughli | 4·0 | | | | | Bali | 14·0 |
| Dacca | 3·2 | | | | | Suburbs of Calcutta | 13·9 |
| | | | | | | Midnapore | 12·4 |
| | | | | | | Gya | 10·9 |

5. With reference to *Sex*, *Class* and *Age*, the mortality of the week stood as follows:—

*According to Sex.*

| | Ratio per *mille.* |
|---|---|
| Males | 32·9 |
| Females | 29·0 |
| Ratio of male deaths to every 100 female deaths | 128 |

*According to Class.*

| | Ratio per *mille.* |
|---|---|
| Christians | 34·8 |
| Hindus | 29·8 |
| Mahomedans | 34·1 |
| Other classes | 36·4 |

*According to Age.*

| | Ratio per *mille.* |
|---|---|
| Under 1 year | 190·4 |
| 1 and under 5 years | 43·1 |
| 5 „ 10 „ | 14·7 |
| 10 „ 15 „ | 9·5 |
| 15 „ 20 „ | 15·7 |
| 20 „ 30 „ | 19·8 |
| 30 „ 40 „ | 25·3 |
| 40 „ 50 „ | 27·6 |
| 50 „ 60 „ | 39·9 |
| 60 years and upwards | 83·3 |

W. H. GREGG, *Dip. Publ. Health, Camb.*,
*Offg. Sanitary Commissioner for Bengal.*

*The 11th January 1889.*

| DISTRICTS. | NAMES OF MUNICIPALITIES. | POPULATION. | | | BIRTHS. | | | | | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | Disease. | | | | | | | | | | | | | | | | Sex. | | | | |
| | | | | | Number of— | | | Ratio per 1,000 of population per annum. | | | | | | Deaths from— | | | | | | | Ratio per 1,000 of population per annum. | | | | | | | Ratio of deaths per 1,000 of population per annum in the previous week. | Deaths. | | Ratio per 1,000 of population per annum. | | |
| | | Males. | Females. | Total. | Males. | Females. | Total. | Males. | Females. | Total. | Ratio of male births to every 100 female births. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | | Males. | Females. | Males. | Females. | Ratio of male deaths to every 100 female deaths. |
| Burdwan ... ... | Burdwan ... ... ... | 18,063 | 16,017 | 34,080 | 10 | 6 | 16 | 15·3 | 9·1 | 24·4 | 166 | ... | ... | 11 | 10 | ... | 3 | 24 | ... | ... | 16·8 | 15·3 | ... | 4·5 | 36·6 | 22·9 | 15 | 9 | 43·2 | 29·2 | 166 |
| Midnapore ... | Midnapore ... ... ... | 16,927 | 16,633 | 33,560 | 6 | 7 | 13 | 9·3 | 10·8 | 20·1 | 85 | 1 | ... | 5 | 4 | ... | 8 | 18 | 1·5 | ... | 7·7 | 6·2 | ... | 12·4 | 27·9 | 23·2 | 11 | 7 | 33·8 | 21·9 | 157 |
| Hughli ... ... | Hughli and Chinsurah ... | 19,179 | 19,539 | 38,718 | 8 | 11 | 19 | 10·7 | 14·8 | 25·5 | 72 | 3 | ... | 13 | 4 | ... | 7 | 27 | 4·0 | ... | 17·5 | 5·4 | ... | 9·4 | 36·3 | 37·6 | 16 | 11 | 43·4 | 29·3 | 145 |
| Serampore ... | Serampore ... ... ... | 13,559 | 12,937 | 26,496 | 13 | 11 | 24 | 25·5 | 21·6 | 47·1 | 118 | 1 | ... | 10 | 6 | ... | 8 | 25 | 2·0 | ... | 19·6 | 11·8 | ... | 15·7 | 49·1 | 56·9 | 14 | 11 | 53·7 | 44·2 | 127 |
| | Utterpara ... ... ... | 3,940 | 2,464 | 5,510 | 2 | 1 | 3 | 18·9 | 9·4 | 28·3 | 200 | ... | ... | 1 | 3 | ... | ... | 4 | ... | ... | 9·4 | 28·3 | ... | ... | 37·7 | 28·3 | 2 | 2 | 34·1 | 42·2 | 100 |
| Howrah ... ... | Howrah ... ... ... | 53,153 | 37,665 | 90,818 | 33 | 22 | 55 | 18·9 | 12·6 | 31·5 | 150 | 14 | ... | 13 | 15 | ... | 8 | 50 | 8·0 | ... | 7·4 | 8·6 | ... | 4·6 | 28·6 | 20·9 | 18 | 32 | 17·6 | 44·2 | 56 |
| | Bali ... ... ... | 7,835 | 6,979 | 14,815 | 5 | 3 | 8 | 17·5 | 15·5 | 28·1 | 166 | 2 | ... | 2 | 1 | ... | 4 | 9 | 7·0 | ... | 7·0 | 3·5 | ... | 14·0 | 31·6 | 21·1 | 2 | 7 | 13·3 | 52·2 | 28 |
| 24-Pergunnahs ... | Suburbs of Calcutta ... | 147,205 | 104,234 | 251,439 | 58 | 56 | 114 | 12·9 | 11·6 | 25·6 | 103 | 34 | ... | 94 | 63 | 2 | 67 | 260 | 7·0 | ... | 19·4 | 13·9 | ·4 | 13·9 | 53·8 | 52·1 | 165 | 95 | 58·3 | 47·4 | 173 |
| Nuddea ... ... | Kishnaghur ... ... ... | 13,263 | 14,214 | 27,477 | 3 | 1 | 4 | 5·7 | 1·9 | 7·6 | 300 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18·9 | ... | ... | ... | ... | ..... |
| | Ranaghat ... ... ... | 4,028 | 4,655 | 8,683 | 2 | 1 | 3 | 12·0 | 6·0 | 18·0 | 200 | 1 | ... | 1 | ... | ... | ... | 2 | 6·0 | ... | 6·0 | ... | .. | ... | 12·0 | 12·0 | 2 | ... | 25·3 | ... | No female death. |
| | Santipore ... ... ... | 13,708 | 15,979 | 29,687 | 8 | 5 | 13 | 14·0 | 8·3 | 22·3 | 160 | 5 | ... | 8 | 1 | ... | 1 | 15 | 8·8 | ... | 14·0 | 1·7 | ... | 1·7 | 26·3 | 12·3 | 7 | 8 | 26·3 | 26·0 | 87 |
| Jessore ... ... | Jessore ... ... ... | 4,830 | 3,665 | 8,495 | ... | ... | ... | ... | ... | ... | ..... | 3 | ... | 3 | ... | ... | 1 | 7 | 18·3 | ... | 18·3 | ... | ... | 6·1 | 42·8 | 24·5 | 6 | 1 | 64·6 | 14·2 | 600 |
| Rajshahye ... ... | Rampore Beauleah ... | 10,768 | 9,023 | 19,791 | 9 | 8 | 17 | 23·6 | 21·0 | 44·6 | 112 | 4 | ... | 6 | ... | ... | 2 | 19 | 10·5 | ... | 15·8 | ... | ... | 23·6 | 49·9 | 65·7 | 10 | 9 | 48·3 | 51·9 | 111 |
| Dárjiling ... ... | Darjiling* ... ... ... | 5,029 | 2,947 | 7,976 | ... | 2 | 2 | ... | 13·0 | 13·0 | No male birth. | ... | ... | 1 | ... | ... | ... | 1 | ... | ... | 6·5 | ... | ... | ... | 6·5 | 13·0 | 1 | ... | 10·3 | ... | No female death. |
| Dacca ... ... | Dacca ... ... ... | 42,782 | 37,379 | 80,161 | 24 | 27 | 51 | 15·6 | 17·5 | 33·1 | 88 | 5 | ... | 47 | 10 | ... | 22 | 54 | 3·2 | ... | 11·0 | 6·4 | ... | 14·3 | 35·0 | 24·7 | 34 | 20 | 41·3 | 27·8 | 170 |
| | Narsinganj ... ... | 7,605 | 4,956 | 12,561 | 8 | 4 | 12 | 33·1 | 16·5 | 49·7 | 200 | 10 | ... | 3 | 4 | ... | 4 | 21 | 41·5 | ... | 12·4 | 16·5 | ... | 16·5 | 86·9 | 95·2 | 15 | 6 | 102·6 | 63·9 | 250 |
| Chittagong ... ... | Chittagong ... ... ... | 13,340 | 8,780 | 22,120 | 6 | 4 | 10 | 14·1 | 9·4 | 23·5 | 150 | ... | ... | 5 | ... | ... | 4 | 9 | ... | ... | 11·7 | ... | ... | 9·4 | 21·1 | 16·4 | 4 | 5 | 15·6 | 29·6 | 80 |
| Tipperah ... ... | Comillah ... ... ... | 8,153 | 5,353 | 13,506 | 6 | 6 | 12 | 23·1 | 23·1 | 46·2 | 100 | ... | ... | 7 | ... | 1 | 2 | 10 | ... | ... | 26·9 | ... | 3·8 | 7·7 | 38·5 | 27·0 | 7 | 3 | 44·6 | 29·1 | 233 |
| Patna ... ... | Patna City ... ... ... | 78,762 | 81,475 | 160,237 | 28 | 25 | 53 | 9·1 | 8·1 | 17·2 | 112 | 3 | ... | 19 | 7 | 1 | 16 | 46 | 1·0 | ... | 6·1 | 2·3 | ·3 | 5·2 | 14·9 | 12·3 | 26 | 20 | 17·2 | 12·8 | 130 |
| Gya ... ... | Gya ... ... ... | 38,290 | 37,831 | 76,121 | 15 | 12 | 27 | 10·2 | 8·2 | 18·4 | 125 | 1 | .. | 24 | 2 | ... | 16 | 43 | ·7 | ... | 16·4 | 1·4 | ... | 10·9 | 29·4 | 34·8 | 23 | 20 | 31·2 | 27·5 | 115 |
| Shahabad ... ... | Arrah ... ... ... | 29,960 | 22,503 | 43,465 | 14 | 15 | 29 | 16·7 | 17·9 | 34·7 | 93 | ... | ... | 6 | ... | 1 | 1 | 8 | ... | ... | 7·2 | ... | 1·2 | 1·2 | 9·6 | 9·6 | 2 | 6 | 5·0 | 13·9 | 33 |
| Monullerpore ... | Monullerpore ... ... | 23,084 | 19,658 | 42,742 | 9 | 4 | 13 | 10·9 | 4·9 | 15·8 | 225 | 1 | ... | 4 | 1 | ... | 6 | 12 | 1·2 | ... | 4·9 | 1·2 | ... | 7·3 | 14·6 | 23·1 | 7 | 5 | 15·8 | 13·2 | 140 |
| Durbhanga ... | Durbhanga ... ... ... | 33,774 | 32,322 | 66,096 | 23 | 31 | 54 | 18·1 | 24·4 | 42·5 | 74 | ... | ... | 20 | 4 | ... | 3 | 36 | ... | ... | 22·8 | 3·1 | ... | 2·4 | 28·3 | 26·7 | 17 | 19 | 25·2 | 30·6 | 89 |
| Sarun ... ... | Chupra ... ... ... | 26,044 | 27,205 | 53,249 | 29 | 17 | 46 | 28·3 | 16·6 | 44·9 | 170 | ... | ... | 4 | 4 | ... | 6 | 14 | ... | ... | 3·9 | 3·9 | ... | 5·9 | 13·7 | 7·8 | 7 | 7 | 14·0 | 13·4 | 100 |
| Bhagulpore ... | Bhagulpore ... ... ... | 29,640 | 27,813 | 57,453 | 16 | 20 | 36 | 14·5 | 18·1 | 32·6 | 80 | 1 | ... | 4 | 3 | ... | 17 | 25 | ·9 | ... | 3·6 | 2·7 | ... | 15·4 | 22·6 | 20·8 | 9 | 16 | 15·8 | 29·9 | 56 |
| Monghyr ... ... | Monghyr ... ... ... | 28,154 | 29,366 | 57,520 | 25 | 21 | 46 | 22·6 | 19·0 | 41·6 | 119 | 1 | ... | 14 | 3 | ... | 8 | 26 | ·9 | ... | 12·7 | 2·7 | ... | 7·2 | 23·5 | 32·5 | 13 | 13 | 24·0 | 22·7 | 100 |
| Purneah ... ... | Purneah ... ... ... | 8,463 | 6,553 | 15,016 | 4 | 5 | 9 | 13·9 | 17·3 | 31·2 | 80 | ... | ... | 9 | 1 | 1 | ... | 11 | ... | ... | 31·1 | 3·5 | 3·5 | ... | 38·1 | 48·5 | 4 | 7 | 24·6 | 55·5 | 57 |
| Puri ... ... | Puri ... ... ... | 13,247 | 11,537 | 24,784 | 7 | 7 | 14 | 14·7 | 14·7 | 29·4 | 100 | ... | ... | 3 | 4 | 1 | 7 | 15 | ... | ... | 8·3 | 8·4 | 2·1 | 14·7 | 31·5 | 42·0 | 8 | 7 | 31·4 | 31·6 | 114 |
| | TOTAL ... | 702,899 | 619,691 | 1,322,581 | 371 | 332 | 703 | 14·6 | 13·0 | 27·6 | 111 | 90 | ... | 316 | 150 | 7 | 228 | 791 | 3·5 | ... | 12·4 | 5·9 | ·3 | 9·0 | 31·1 | 29·8 | 443 | 346 | 32·3 | 29·0 | 128 |

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age.*" the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

| DISTRICTS. | NAMES OF MUNICIPALITIES. | 13 | | | | | 14 | | | | | 15 | | | | | | | | | | 16 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Class. | | | | | | | | | | Age. | | | | | | | | | | | | | | | | | | | |
| | | DEATHS AMONG— | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | DEATHS. | | | | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | | |
| | | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. |
| Burdwan ... ... | Burdwan ... ... ... | ... | 18 | 6 | ... | ... | ... | 39·5 | 30·4 | ... | ... | 4 | 3 | ... | ... | 1 | 4 | 2 | 5 | ... | 5 | 315·2 | 69·1 | ..... | ..... | 16·6 | 26·3 | 15·1 | 58·9 | ..... | 175·4 |
| Midnapore ... ... | Midnapore ... ... ... | ... | 14 | 4 | ... | ... | ... | 28·1 | 28·8 | ... | ... | 4 | 1 | ... | 2 | ... | 2 | 2 | 3 | ... | 4 | 279·9 | 22·1 | ..... | 34·2 | ..... | 14·2 | 18·8 | 41·9 | ..... | 113·7 |
| Hughli ... ... | Hughli and Chinsurah ... | ... | 22 | 5 | ... | ... | ... | 36·1 | 38·1 | ... | ... | 8 | 3 | 1 | 1 | 1 | 4 | 1 | 5 | 2 | 1 | 441·1 | 58·5 | 14·9 | 17·2 | 17·5 | 27·1 | 7·4 | 50·4 | 31·8 | 20·7 |
| Serampore ... ... | Serampore ... ... ... | ... | 23 | 2 | ... | ... | ... | 47·4 | 110·9 | ... | ... | 7 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | ... | 6 | 512·7 | 86·4 | 20·7 | 23·4 | 23·8 | 29·0 | 20·9 | 15·4 | ..... | 224·3 |
| | Utterpara ... ... ... | ... | 4 | ... | ... | ... | ... | 39·1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 74·2 | 282·6 | 200·0 |
| Howrah ... ... | Howrah ... ... ... | ... | 33 | 14 | ... | 1 | ... | 26·7 | 35·5 | ... | 215·8 | 6 | 13 | 3 | 1 | 1 | 6 | 12 | 4 | 1 | 3 | 151·2 | 122·0 | 24·8 | 7·9 | 7·1 | 13·8 | 32·2 | 17·7 | 9·5 | 41·6 |
| | Bali ... ... ... | ... | 9 | ... | ... | ... | ... | 34·9 | ... | ... | ... | 3 | 2 | ... | ... | ... | ... | 1 | 1 | ... | 2 | 430·9 | 54·1 | ..... | ..... | ..... | ..... | 18·6 | 26·9 | ..... | 142·1 |
| 24-Pergunnahs ... | Suburbs of Calcutta ... | 8 | 157 | 95 | ... | ... | 402·8 | 54·5 | 51·1 | ... | ... | 26 | 25 | 10 | 5 | 11 | 39 | 51 | 31 | 30 | 32 | 283·7 | 80·5 | 26·3 | 14·5 | 31·7 | 34·9 | 51·5 | 47·5 | 91·9 | 116·9 |
| Nuddea ... ... | Kishnaghur ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Ranaghat ... ... ... | ... | 1 | 1 | ... | ... | ... | 7·1 | 38·1 | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | ... | ... | ... | ..... | ..... | ..... | ..... | ..... | 34·5 | 41·7 | ..... | ..... | ..... |
| | Santipore ... ... ... | ... | 11 | 4 | ... | ... | ... | 27·6 | 23·3 | ... | ... | 1 | 4 | 1 | ... | 1 | ... | 1 | ... | 2 | 5 | 61·5 | 71·8 | 13·8 | ..... | 23·4 | ..... | 12·0 | ..... | 45·2 | 132·4 |
| Jessore ... ... | Jessore ... ... ... | ... | 1 | 6 | ... | ... | ... | 11·5 | 81·6 | ... | ... | 1 | 1 | 1 | ... | 1 | ... | 1 | ... | 1 | 1 | 268·0 | 105·3 | 65·6 | ..... | 71·0 | ..... | 34·0 | ..... | 92·4 | 113·5 |
| Rajshahye ... | Rampore Beauleah ... ... | ... | 3 | 16 | ... | ... | ... | 15·7 | 84·8 | ... | ... | 5 | 2 | ... | 1 | ... | 3 | 4 | 1 | ... | 3 | 640·4 | 73·3 | ..... | 28·9 | ..... | 37·5 | 57·7 | 21·2 | ..... | 161·0 |
| Darjiling ... ... | Darjiling ... ... ... | ... | ... | 1 | ... | ... | ... | ... | 84·7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 307·7 |
| Dacca ... ... | Dacca ... ... ... | ... | 31 | 23 | ... | ... | ... | 40·9 | 30·4 | ... | ... | 5 | 4 | 6 | 1 | ... | 9 | 6 | 6 | 8 | 9 | 137·0 | 28·2 | 31·4 | 6·5 | ..... | 39·5 | 26·8 | 37·2 | 87·9 | 84·0 |
| | Narainganj ... ... ... | ... | 9 | 12 | ... | ... | ... | 74·0 | 161·3 | ... | ... | 4 | 1 | 1 | 1 | 4 | 7 | 2 | ... | ... | 1 | 745·5 | 45·6 | 39·4 | 45·8 | 129·0 | 136·3 | 48·6 | ..... | ..... | 79·8 |
| Chittagong ... ... | Chittagong ... ... ... | ... | 1 | 8 | ... | ... | ... | 9·0 | 27·2 | ... | ... | 4 | 1 | ... | ... | ... | ... | 1 | 2 | 1 | ... | 369·4 | 26·4 | ..... | ..... | ..... | ..... | 15·6 | 46·1 | 47·9 | ..... |
| Tipperah ... ... | Comillah ... ... ... | ... | 3 | 7 | ... | ... | ... | 26·2 | 49·3 | ... | ... | 2 | ... | ... | ... | 2 | 2 | 1 | 1 | ... | 2 | 350·2 | ..... | ..... | ..... | 82·7 | 37·7 | 26·1 | 39·6 | ..... | 153·4 |
| Patna ... ... | Patna City ... ... ... | ... | 38 | 8 | ... | ... | ... | 16·6 | 10·2 | ... | ... | 4 | 7 | 5 | 1 | 1 | 2 | 5 | 5 | 5 | 11 | 48·3 | 24·9 | 15·4 | 5·6 | 4·7 | 5·6 | 11·2 | 13·8 | 18·4 | 41·4 |
| Gya ... ... | Gya ... ... ... | ... | 37 | 6 | ... | ... | ... | 32·1 | 19·4 | ... | ... | 4 | 5 | 1 | 1 | ... | 3 | 7 | 6 | 4 | 12 | 116·2 | 40·9 | 7·4 | 7·7 | ..... | 10·6 | 28·6 | 31·9 | 31·6 | 121·2 |
| Shahabad ... ... | Arrah ... ... ... | ... | 5 | 3 | ... | ... | ... | 8·4 | 12·6 | ... | ... | 1 | 2 | 1 | ... | ... | 1 | ... | 2 | ... | 1 | 49·4 | 23·5 | 10·1 | ..... | ..... | 6·6 | ..... | 22·2 | ..... | 18·0 |
| Mozufferpore ... | Mozufferpore ... ... ... | ... | 8 | 4 | ... | ... | ... | 13·9 | 16·7 | ... | ... | 2 | ... | 2 | ... | ... | 2 | 2 | 1 | 1 | 2 | 108·9 | ..... | 23·1 | ..... | ..... | 12·1 | 14·9 | 10·4 | 16·0 | 42·7 |
| Durbhanga ... | Durbhanga ... ... ... | ... | 27 | 9 | ... | ... | ... | 29·0 | 26·6 | ... | ... | 5 | 4 | 1 | 1 | 1 | 2 | 3 | 4 | 2 | 13 | 167·0 | 27·3 | 6·6 | 9·4 | 12·9 | 7·8 | 14·0 | 27·9 | 23·7 | 211·6 |
| Sarun ... ... | Chupra ... ... ... | ... | 11 | 3 | ... | ... | ... | 13·9 | 13·0 | ... | ... | 1 | 2 | 1 | ... | ... | ... | 2 | 1 | 2 | 5 | 36·0 | 19·6 | 8·4 | ..... | ..... | ..... | 12·9 | 8·3 | 24·7 | 74·7 |
| Bhagulpore ... | Bhagulpore ... ... ... | ... | 19 | 6 | ... | ... | ... | 24·8 | 18·1 | ... | ... | 5 | 2 | 1 | ... | 1 | 9 | 1 | 1 | 3 | 2 | 217·8 | 19·2 | 8·1 | ..... | 12·4 | 42·8 | 5·6 | 8·1 | 36·6 | 28·9 |
| Monghyr ... ... | Monghyr ... ... ... | ... | 17 | 9 | ... | ... | ... | 19·8 | 37·2 | ... | ... | 7 | 3 | ... | 3 | 2 | 2 | 2 | 2 | ... | 5 | 245·1 | 25·1 | ..... | 27·2 | 27·5 | 10·1 | 11·7 | 16·3 | ..... | 72·5 |
| Purneah ... ... | Purneah ... ... ... | ... | 6 | 5 | ... | ... | ... | 34·0 | 45·9 | ... | ... | ... | 1 | 1 | 2 | 1 | 1 | 1 | ... | 2 | 1 | ..... | 43·0 | 32·9 | 87·1 | 52·3 | 31·7 | 18·2 | ..... | 111·0 | 64·4 |
| Puri ... ... | Puri ... ... ... | ... | 15 | ... | ... | ... | ... | 37·8 | ... | ... | ... | 2 | 2 | ... | ... | 1 | ... | ... | 2 | 7 | 1 | 343·2 | 57·9 | ..... | ..... | 28·0 | ..... | ..... | 31·3 | 163·2 | 28·8 |
| | TOTAL ... | 8 | 825 | 257 | ... | 1 | 34·8 | 29·3 | 34·1 | ... | 36·4 | 111 | 91 | 37 | 21 | 30 | 103 | 111 | 85 | 73 | 129 | 190·4 | 43·1 | 14·7 | 9·5 | 15·7 | 19·8 | 25·3 | 27·6 | 39·9 | 83·3 |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL;

W. H. GREGG, *Offg. Public Health Comr.*

## MEMORANDUM.

THE returns from the principal municipalities in Bengal for the week ending 29th December 1888 present the following results:—

1. Births and deaths were recorded in these municipalities at the rates, respectively, of 23·6 and 29·6 per 1,000 of population, as opposed to 27·6 and 31·1 per 1,000 in the preceding week ending 22nd December, indicating a falling off in the registration of both events.

2. The following municipalities returned the highest proportion of births and deaths:—

*Births.*

| | Ratio per *mille*. |
|---|---|
| Narainganj ... ... ... | 70·4 |
| Utterpara ... ... ... | 47·2 |
| Monghyr ... ... ... | 45·2 |
| Durbhanga ... ... ... | 40·1 |
| Santipore ... ... ... | 31·5 |
| Chupra ... ... ... | 31·2 |
| Chittagong ... ... ... | 30·5 |

*Deaths.*

| | Ratio per *mille*. |
|---|---|
| Utterpara ... ... ... | 56·6 |
| Suburbs of Calcutta ... ... | 54·8 |
| Narainganj ... ... ... | 53·8 |
| Rampore Beauleah ... ... | 44·7 |
| Puri ... ... ... | 44·1 |
| Santipore ... ... ... | 43·8 |
| Serampore ... ... ... | 41·2 |
| Burdwan ... ... ... | 36·6 |
| Midnapore ... ... ... | 32·5 |
| Gya ... ... ... | 32·1 |

3. In comparison with the preceding week, there was a decrease in the death-rate from fever, small differences in the mortality from the other diseases, and no difference in the death-rate under the head "Other causes:—"

| | Ratio per *mille* during the weeks ending— | |
|---|---|---|
| | 29th Dec. 1888. | 22nd Dec. 1888. |
| Cholera ... ... ... ... ... | 3·7 | 3·5 |
| Small-pox ... ... ... ... ... | ·1 | ..... |
| Fever ... ... ... ... ... | 11·3 | 12·4 |
| Bowel-complaints ... ... ... ... | 5·0 | 5·9 |
| Injury ... ... ... ... ... | ·4 | ·3 |
| Other causes ... ... ... ... ... | 9·0 | 9·0 |

4. The municipalities named below appear to have suffered most from the diseases indicated in the foregoing table, excepting small-pox and injury, the deaths from which were nowhere above normal:—

*Cholera.*

| | Ratio per *mille*. |
|---|---|
| Narainganj ... | 20·7 |
| Santipore ... | 14·0 |
| Suburbs of Calcutta ... | 10·1 |
| Serampore ... | 9·8 |
| Howrah ... | 7·4 |
| Dacca ... | 4·5 |

*Fever.*

| | Ratio per *mille*. |
|---|---|
| Rampore Beauleah ... | 23·6 |
| Burdwan ... | 21·3 |
| Santipore ... | 21·0 |

*Bowel-complaints.*

| | Ratio per *mille*. |
|---|---|
| Utterpara ... | 28·3 |
| Serampore ... | 13·7 |
| Suburbs of Calcutta ... | 13·2 |

*Other causes.*

| | Ratio per *mille*. |
|---|---|
| Utterpara ... | 28·3 |
| Puri ... | 27·3 |
| Midnapore ... | 24·8 |
| Chittagong ... | 14·1 |
| Suburbs of Calcutta ... | 13·2 |
| Narainganj ... | 12·4 |
| Serampore ... | 11·8 |
| Burdwan ... | 10·7 |
| Chupra ... | 10·7 |

5. The mortality in relation to *Sex*, *Class* and *Age* stood as follows:—

***According to Sex.***

| | Ratio per *mille*. |
|---|---|
| Males ... ... | 30·6 |
| Females ... ... | 28·4 |
| Ratio of male deaths to every 100 female deaths ... | 121 |

***According to Class.***

| | Ratio per *mille*. |
|---|---|
| Christians ... ... | 39·1 |
| Hindus ... ... | 29·5 |
| Mahomedans ... | 29·7 |

***According to Age.***

| | Ratio per *mille*. |
|---|---|
| Under 1 year ... | 200·6 |
| 1 and under 5 years ... | 27·0 |
| 5 " 10 " ... | 15·9 |
| 10 " 15 " ... | 9·0 |
| 15 " 20 " ... | 21·4 |
| 20 " 30 " ... | 18·6 |
| 30 " 40 " ... | 19·6 |
| 40 " 50 " ... | 25·0 |
| 50 " 60 " ... | 37·7 |
| 60 years and upwards ... | 95·6 |

*The 14th January* 1889.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
*Offg. Sanitary Commissioner for Bengal.*

*Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending 29th December 1888.*

| 1 | 2 | 3 | | | 4 | | | 5 | | | 6 | 7 | | | | | | | 8 | | | | | | 9 | 10 | | 11 | | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | POPULATION. | | | BIRTHS. | | | | | | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | Disease. | | | | | | | | | | | | | | | Sex. | | | |
| | | | | | NUMBER OF— | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | DEATHS FROM— | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | | | | | |
| DISTRICTS. | NAMES OF MUNICIPALITIES. | Males. | Females. | Total. | Males. | Females. | Total. | Males. | Females. | Total. | Ratio of male births to every 100 female births. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Ratio of deaths per 1,000 of population per annum in the previous week. | Deaths. | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | Ratio of male deaths to every 100 female deaths. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Males. | Females. | Males. | Females. | |
| Burdwan ... ... | Burdwan ... ... ... | 18,663 | 16,117 | 34,080 | 3 | 5 | 8 | 4·6 | 7·6 | 12·2 | 60 | ... | ... | 14 | 3 | ... | 7 | 24 | .. | ... | 21·3 | 4·6 | .. | 10·7 | 36·6 | 36·6 | 12 | 12 | 34·5 | 30·0 | 100 |
| Midnapore... ... | Midnapore ... ... ... | 16,927 | 16,633 | 33,560 | 10 | 2 | 12 | 15·5 | 3·1 | 18·6 | 500 | ... | ... | 3 | 2 | ... | 16 | 21 | ... | ... | 4·6 | 3·1 | ... | 24·8 | 32·5 | 27·9 | 8 | 11 | 24·6 | 40·6 | 61 |
| Hughli ... ... | Hughli and Chinsurah ... | 19,179 | 19,539 | 38,718 | 8 | 6 | 14 | 10·7 | 8·1 | 18·8 | 133 | 1 | ... | 9 | 6 | ... | 6 | 22 | 1·3 | ... | 12·0 | 8·1 | ... | 8·1 | 29·5 | 36·3 | 13 | 9 | 35·2 | 24·0 | 144 |
| Serampore ... | Serampore ... ... ... | 13,559 | 12,937 | 26,496 | 5 | 7 | 12 | 9·8 | 13·7 | 23·6 | 71 | 5 | ... | 2 | 7 | 1 | 6 | 21 | 9·8 | ... | 3·9 | 13·7 | 2·0 | 11·8 | 41·2 | 49·1 | 8 | 13 | 31·7 | 52·2 | 61 |
| | Utterpara ... ... ... | 3,046 | 2,464 | 5,510 | 3 | 2 | 5 | 28·3 | 18·9 | 47·2 | 150 | ... | ... | ... | 3 | ... | 3 | 6 | ... | ... | ... | 28·3 | ... | 28·3 | 56·6 | 37·7 | 4 | 2 | 68·3 | 42·2 | 200 |
| Howrah ... ... | Howrah ... ... ... | 53,153 | 37,660 | 90,813 | 26 | 19 | 45 | 14·9 | 10·9 | 25·8 | 136 | 13 | ... | 9 | 4 | ... | 6 | 32 | 7·4 | ... | 5·1 | 2·3 | ... | 3·4 | 18·3 | 28·6 | 19 | 13 | 18·6 | 18·9 | 146 |
| | Bali ... ... ... ... | 7,836 | 6,978 | 14,815 | 1 | 1 | 2 | 3·5 | 3·5 | 7·0 | 100 | ... | ... | 1 | 2 | ... | ... | 3 | ... | ... | 3·5 | 7·0 | ... | ... | 10·5 | 31·6 | 2 | 1 | 13·3 | 7·5 | 200 |
| 24-Pergunnahs ... | Suburbs of Calcutta ... | 147,205 | 104,234 | 251,439 | 52 | 66 | 118 | 10·8 | 13·6 | 24·4 | 78 | 49 | 1 | 85 | 64 | 2 | 64 | 265 | 10·1 | ·2 | 17·6 | 13·2 | ·4 | 13·2 | 54·8 | 53·8 | 167 | 98 | 59·9 | 48·9 | 170 |
| Nuddea ... ... | Kishnaghur ... ... ... | 13,263 | 14,214 | 27,477 | 6 | 9 | 15 | 11·4 | 17·0 | 28·4 | 66 | ... | ... | 9 | ... | 1 | 3 | 13 | ... | ... | 17·0 | ... | 1·9 | 5·7 | 24·6 | ..... | 7 | 6 | 27·4 | 22·0 | 116 |
| | Ranaghat ... ... ... | 4,028 | 4,655 | 8,683 | 2 | 1 | 3 | 12·0 | 6·9 | 18·0 | 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | 12·0 | ... | ... | ... | ... | ..... |
| | Santipore ... ... ... | 13,708 | 15,979 | 29,687 | 9 | 9 | 18 | 15·7 | 15·7 | 31·5 | 100 | 8 | ... | 12 | 2 | ... | 3 | 25 | 14·0 | ... | 21·0 | 3·5 | ... | 5·3 | 43·8 | 26·3 | 14 | 11 | 53·1 | 35·8 | 127 |
| Jessore ... ... | Jessore ... ... ... | 4,850 | 3,685 | 8,493 | ... | ... | ... | ... | ... | ... | ..... | 2 | ... | ... | ... | ... | 1 | 3 | 13·2 | ... | ... | ... | ... | 6·1 | 18·4 | 42·8 | 2 | 1 | 21·5 | 14·2 | 200 |
| Rajshahye ... ... | Rampore Beauleah ... | 10,706 | 9,025 | 19,731 | 5 | 4 | 9 | 13·1 | 10·5 | 23·6 | 125 | 2 | ... | 9 | 3 | ... | 3 | 17 | 5·3 | ... | 23·6 | 7·9 | ... | 7·9 | 44·7 | 49·9 | 11 | 6 | 53·1 | 34·6 | 183 |
| Darjiling ... ... | Darjiling* ... ... ... | 5,029 | 2,947 | 7,976 | ... | 1 | 1 | ... | 6·5 | 6·5 | No male birth. | ... | ... | 2 | ... | ... | ... | 2 | ... | ... | 13·0 | ... | ... | ... | 13·0 | 6·5 | 2 | ... | 20·7 | ... | No female death. |
| Dacca ... ... | Dacca ... ... ... | 42,782 | 37,379 | 80,161 | 23 | 9 | 32 | 14·9 | 5·8 | 20·8 | 255 | 7 | ... | 14 | 8 | ... | 15 | 44 | 4·5 | ... | 9·1 | 5·2 | ... | 9·7 | 28·5 | 35·0 | 27 | 17 | 32·8 | 23·6 | 158 |
| | Narainganj ... ... ... | 7,605 | 4,956 | 12,561 | 8 | 9 | 17 | 33·1 | 37·3 | 70·4 | 88 | 5 | ... | 2 | 2 | 1 | 3 | 13 | 20·7 | ... | 8·3 | 8·3 | 4·1 | 12·4 | 53·8 | 86·9 | 9 | 4 | 61·5 | 42·9 | 225 |
| Chittagong ... | Chittagong ... ... ... | 13,340 | 8,790 | 22,130 | 6 | 7 | 13 | 14·1 | 16·4 | 30·5 | 85 | ... | ... | ... | 2 | ... | 6 | 8 | ... | ... | ... | 4·7 | ... | 14·1 | 18·8 | 21·1 | 2 | 6 | 7·8 | 35·5 | 33 |
| Tipperah ... ... | Comillah ... ... ... | 8,153 | 5,353 | 13,506 | 2 | 5 | 7 | 7·7 | 19·3 | 27·0 | 40 | ... | ... | 2 | ... | ... | 2 | 4 | ... | ... | 7·7 | ... | ... | 7·7 | 15·4 | 38·5 | 1 | 3 | 6·4 | 29·1 | 33 |
| Patna ... ... | Patna City ... ... ... | 78,763 | 81,475 | 160,237 | 21 | 26 | 47 | 6·8 | 8·4 | 15·3 | 80 | 2 | ... | 30 | 9 | 4 | 19 | 64 | ·6 | ... | 9·7 | 2·9 | 1·3 | 6·2 | 20·8 | 14·9 | 27 | 37 | 17·8 | 23·6 | 72 |
| Gya ... ... ... | Gya ... ... ... | 38,290 | 37,831 | 76,121 | 18 | 18 | 36 | 12·5 | 12·3 | 24·6 | 100 | ... | 2 | 28 | 4 | .. | 13 | 47 | ... | 1·4 | 19·1 | 2·7 | ... | 8·9 | 32·1 | 29·4 | 21 | 26 | 28·5 | 35·7 | 80 |
| Shahabad ... ... | Arrah ... ... ... | 20,960 | 22,505 | 43,465 | 5 | 4 | 9 | 5·9 | 4·8 | 10·7 | 125 | ... | ... | 6 | 1 | 1 | 3 | 11 | ... | ... | 7·2 | 1·2 | 1·2 | 3·6 | 13·2 | 9·6 | 6 | 5 | 14·9 | 11·6 | 120 |
| Mozufferpore ... | Mozufferpore ... ... | 23,084 | 19,658 | 42,742 | 2 | 5 | 7 | 2·4 | 6·1 | 8·5 | 40 | ... | ... | 1 | ... | ... | 2 | 3 | ... | ... | 1·2 | ... | ... | 2·4 | 3·7 | 14·6 | ... | 3 | ... | 7·9 | No male death. |
| Durbhanga... ... | Durbhanga ... ... ... | 33,774 | 32,322 | 66,096 | 22 | 29 | 51 | 17·3 | 22·8 | 40·1 | 75 | ... | ... | 15 | 3 | ... | 7 | 25 | ... | ... | 11·8 | 2·4 | ... | 5·5 | 19·7 | 28·3 | 15 | 10 | 23·1 | 16·1 | 150 |
| Sarun ... ... | Chupra ... ... ... | 26,044 | 27,205 | 53,249 | 16 | 16 | 32 | 15·6 | 15·6 | 31·2 | 100 | ... | ... | 8 | 1 | ... | 11 | 20 | ... | ... | 7·8 | 1·0 | ... | 10·7 | 19·5 | 13·7 | 5 | 15 | 10·0 | 28·7 | 33 |
| Bhagulpore... ... | Bhagulpore ... ... ... | 28,640 | 27,813 | 57,453 | 14 | 13 | 26 | 12·7 | 10·8 | 23·5 | 116 | 1 | ... | 6 | ... | ... | 10 | 17 | ·9 | ... | 5·4 | ... | ... | 9·1 | 15·4 | 23·6 | 8 | 9 | 14·0 | 15·8 | 88 |
| Monghyr ... ... | Monghyr ... ... ... | 28,154 | 29,366 | 57,520 | 26 | 24 | 50 | 23·5 | 21·7 | 45·2 | 108 | ... | ... | 9 | 2 | ... | 6 | 17 | ... | ... | 8·1 | 1·8 | ... | 5·4 | 15·4 | 23·5 | 6 | 11 | 11·1 | 19·5 | 54 |
| Purneah ... ... | Purneah ... ... ... | 8,463 | 6,553 | 15,016 | ... | ... | ... | ... | ... | ..... | ... | ... | ... | 4 | ... | ... | ... | 4 | ... | ... | 13·9 | ... | ... | ... | 13·9 | 38·1 | 2 | 2 | 12·3 | 18·9 | 100 |
| Puri ... ... | Puri ... ... ... | 13,247 | 11,537 | 24,784 | 4 | 7 | 11 | 8·4 | 14·7 | 23·1 | 57 | ... | ... | 8 | ... | ... | 13 | 21 | ... | ... | 16·8 | ... | ... | 27·3 | 44·1 | 31·5 | 15 | 6 | 58·9 | 27·0 | 250 |

MORTALITY ACCORDING TO—

| DISTRICTS. | NAMES OF MUNICIPALITIES. | Class. Deaths among— Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Ratio per 1,000 of Population per Annum. Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Age. Deaths. Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. | Ratio per 1,000 of Population per Annum. Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan ... ... | Burdwan ... ... ... ... | ... | 13 | 11 | ... | ... | ... | 28·5 | 55·7 | ... | ... | 5 | 6 | ... | ... | ... | 6 | 1 | ... | 4 | 2 | 393·9 | 138·3 | ..... | ..... | ..... | 39·4 | 7·5 | ..... | 84·7 | 70·2 |
| Midnapore ... ... | Midnapore ... ... ... ... | ... | 16 | 5 | ... | ... | ... | 32·1 | 86·0 | ... | ... | 1 | ... | ... | 1 | 1 | 3 | 2 | 3 | 2 | 8 | 70·0 | ..... | ..... | 17·1 | 16·5 | 21·2 | 18·8 | 41·9 | 50·4 | 227·3 |
| Hughli ... ... | Hughli and Chinsurah ... ... | ... | 17 | 5 | ... | ... | ... | 27·9 | 38·1 | ... | ... | 5 | 1 | 4 | ... | ... | 3 | 1 | 3 | 2 | 3 | 275·7 | 19·5 | 59·7 | ..... | ..... | 20·3 | 7·4 | 30·2 | 31·8 | 62·2 |
| Serampore ... ... | Serampore ... ... ... ... | ... | 20 | 1 | ... | ... | ... | 41·2 | 55·4 | ... | ... | 3 | 1 | 2 | ... | ... | 3 | 3 | 2 | 2 | 5 | 219·7 | 28·8 | 41·4 | ..... | ..... | 29·0 | 31·4 | 30·3 | 54·3 | 186·9 |
| | Utterpara ... ... ... ... | ... | 6 | ... | ... | ... | ... | 58·6 | ... | ... | ... | 1 | ... | 1 | ... | ... | 2 | ... | 1 | 1 | ... | 323·0 | ..... | 111·6 | ..... | ..... | 90·4 | ..... | 74·2 | 141·3 | ..... |
| Howrah ... ... | Howrah ... ... ... ... | ... | 24 | 8 | ... | ... | ... | 18·3 | 20·3 | ... | ... | 3 | 9 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 3 | 75·6 | 84·5 | 24·8 | 23·7 | 21·3 | 6·9 | 5·4 | 8·8 | 9·5 | 41·6 |
| | Bali ... ... ... ... | ... | 3 | ... | ... | ... | ... | 11·6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 26·9 | ..... | 142·1 |
| 24-Pergunnahs ... ... | Suburbs of Calcutta ... ... | 9 | 176 | 81 | ... | ... | 115·6 | 60·7 | 43·6 | ... | ... | 31 | 15 | 13 | 4 | 18 | 42 | 55 | 24 | 22 | 41 | 338·3 | 48·3 | 34·2 | 11·6 | 52·0 | 37·6 | 55·5 | 36·8 | 67·4 | 149·7 |
| Nuddea ... ... | Kishnaghur ... ... ... ... | ... | 5 | 8 | ... | ... | ... | 14·0 | 50·2 | ... | ... | ... | ... | ... | 2 | 2 | 1 | 1 | 1 | 3 | 3 | ..... | ..... | ..... | 37·0 | 50·6 | 10·8 | 12·1 | 15·9 | 74·0 | 90·3 |
| | Ranaghat ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Santipore ... ... ... ... | ... | 12 | 13 | ... | ... | ... | 30·1 | 75·6 | ... | ... | 5 | 5 | 1 | 1 | 2 | ... | 1 | ... | 3 | 7 | 387·7 | 89·7 | 13·8 | 17·9 | 46·7 | ..... | 12·0 | ..... | 67·9 | 185·3 |
| Jessore ... ... | Jessore ... ... ... ... | ... | ... | 3 | ... | ... | ... | ... | 40·8 | ... | ... | ... | ... | ... | ... | 2 | ... | ... | 1 | ... | ... | ..... | ..... | ..... | ..... | 142·1 | ..... | ..... | 49·5 | ..... | ..... |
| Rajshahye ... ... | Rampore Beauleah ... ... ... | ... | 8 | 9 | ... | ... | ... | 42·0 | 47·7 | ... | ... | 2 | 1 | 1 | ... | 2 | 2 | 1 | 3 | 2 | 3 | 256·2 | 30·7 | 25·0 | ..... | 62·6 | 25·0 | 14·4 | 63·6 | 83·8 | 162·0 |
| Darjiling ... ... | Darjiling ... ... ... ... | ... | 2 | ... | ... | ... | ... | 22·6 | ... | ... | ... | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 429·8 | ..... | ..... | ..... | ..... | 26·0 | ..... | ..... | ..... | ..... |
| Dacca ... ... | Dacca ... ... ... ... | ... | 29 | 15 | ... | ... | ... | 37·4 | 19·8 | ... | ... | 7 | 3 | 2 | 1 | 3 | 5 | 6 | 4 | 3 | 10 | 191·8 | 21·2 | 10·5 | 6·5 | 21·4 | 17·0 | 26·3 | 24·8 | 32·9 | 93·3 |
| | Narsinganj ... ... ... ... | ... | 7 | 6 | ... | ... | ... | 57·6 | 50·6 | ... | ... | 3 | ... | ... | 1 | 2 | 2 | ... | 3 | ... | 2 | 559·1 | ..... | ..... | 45·8 | 99·5 | 33·0 | ..... | 112·0 | ..... | 159·5 |
| Chittagong ... ... | Chittagong ... ... ... ... | ... | 2 | 6 | ... | ... | ... | 17·9 | 20·4 | ... | ... | 4 | ... | ... | ... | ... | ... | 1 | 2 | 1 | ... | 369·4 | ..... | ..... | ..... | ..... | ..... | 15·6 | 46·1 | 47·9 | ..... |
| Tipperah ... ... | Comillah ... ... ... ... | ... | 2 | 2 | ... | ... | ... | 17·5 | 14·1 | ... | ... | 1 | ... | ... | ... | 1 | ... | ... | 1 | ... | 1 | 175·1 | ..... | ..... | ..... | 41·3 | ..... | ..... | 39·6 | ..... | 76·7 |
| Patna ... ... | Patna City ... ... ... ... | ... | 50 | 14 | ... | ... | ... | 21·9 | 17·8 | ... | ... | 12 | 4 | 7 | 1 | 1 | 7 | 4 | 7 | ... | 21 | 144·8 | 14·3 | 21·6 | 3·6 | 4·7 | 12·6 | 8·0 | 19·3 | ..... | 79·1 |
| Gya ... ... | Gya ... ... ... ... | ... | 36 | 11 | ... | ... | ... | 31·2 | 35·6 | ... | ... | 6 | 3 | 1 | 1 | 2 | 6 | 2 | 9 | 6 | 11 | 174·3 | 24·6 | 7·4 | 7·7 | 19·9 | 21·2 | 8·2 | 47·9 | 47·5 | 111·1 |
| Shahabad ... ... | Arrah ... ... ... ... | ... | 7 | 4 | ... | ... | ... | 11·7 | 16·8 | ... | ... | 3 | 1 | ... | ... | 1 | ... | 1 | 1 | 2 | 2 | 121·1 | 11·7 | ..... | ..... | 16·5 | ..... | 8·1 | 11·1 | 33·6 | 36·1 |
| Mozufferpore ... | Mozufferpore ... ... ... ... | ... | 2 | 1 | ... | ... | ... | 3·5 | 4·2 | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | 1 | 54·5 | ..... | ..... | ..... | ..... | ..... | 7·5 | ..... | ..... | 21·4 |
| Durbhanga ... ... | Durbhanga ... ... ... ... | ... | 17 | 8 | ... | ... | ... | 18·6 | 23·7 | ... | ... | 4 | 2 | 4 | 2 | ... | 1 | 2 | 2 | 2 | 6 | 133·6 | 13·7 | 26·6 | 18·7 | ..... | 3·9 | 9·3 | 14·0 | 23·7 | 97·7 |
| Sarun ... ... | Chupra ... ... ... ... | ... | 15 | 5 | ... | ... | ... | 19·0 | 21·6 | ... | ... | 7 | ... | 1 | 1 | ... | 1 | ... | 1 | 3 | 6 | 252·1 | ..... | 8·4 | 19·1 | ..... | 5·5 | ..... | 8·3 | 37·0 | 89·7 |
| Bhagulpore ... ... | Bhagulpore ... ... ... ... | ... | 12 | 5 | ... | ... | ... | 15·7 | 15·1 | ... | ... | 6 | 3 | ... | ... | 1 | 2 | ... | ... | 1 | 4 | 261·3 | 28·8 | ..... | ..... | 12·4 | 9·5 | ..... | ..... | 12·2 | 57·7 |
| Monghyr ... ... | Monghyr ... ... ... ... | ... | 15 | 2 | ... | ... | ... | 17·4 | 8·3 | ... | ... | 5 | 2 | ... | 2 | ... | 1 | 1 | 2 | ... | 4 | 175·1 | 16·7 | ..... | 18·1 | ..... | 5·0 | 5·8 | 16·3 | ..... | 58·0 |
| Purneah ... ... | Purneah ... ... ... ... | ... | 3 | 1 | ... | ... | ... | 17·0 | 9·2 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 2 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 15·2 | ..... | 111·0 | 64·4 |
| Puri ... ... | Puri ... ... ... ... | ... | 21 | ... | ... | ... | ... | 44·5 | ... | ... | ... | 1 | 1 | ... | ... | ... | 3 | ... | 4 | 7 | 2 | 171·6 | 28·9 | ..... | ..... | ..... | 59·1 | ..... | 62·6 | 163·2 | 57·6 |
| | Total ... | 9 | 519 | 224 | ... | ... | 39·1 | 29·5 | 29·7 | ... | ... | 117 | 57 | 40 | 29 | 41 | 97 | 83 | 77 | 69 | 148 | 209·6 | 27·0 | 15·9 | 9·0 | 21·4 | 18·6 | 19·6 | 25·0 | 37·7 | 93·6 |

Office of Sanitary Commissioner for Bengal,
*The 14th January* 1889.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
*Offg. Sanitary Commissioner for Bengal.*

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

*Statements showing quantities of Goods carried during the month of November 1888.*

## ORISSA CIRCLE.

### TALDUNDAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDAH CANAL, 27 MILES. / MACHGONG ,, 4 ,,

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | PRIVATE. Quantity. Tons. | Value. Rupees. |
|---|---|---|---|---|---|---|---|
| 4 | 1. Grain ... | 6 | 15 | 21 | 855 | 21 | 855 |
| ... | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... |
| 1 | 3. Oilseeds ... | ..... | 9 | 9 | 744 | 9 | 744 |
| 1 | 4. Salt ... | ..... | 12 | 12 | 715 | 12 | 715 |
| ... | 5. Piece-goods ... | ..... | ..... | ..... | ..... | ..... | ..... |
| ... | 6. Metal ... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2 | 7. Building materials | ..... | 5 | 5 | 50 | 5 | 50 |
| 2 | 8. Miscellaneous ... | ..... | 11 | 11 | 1,145 | 11 | 1,145 |
| ... | 9. Fuel ... | ..... | ..... | ..... | ..... | ..... | ..... |
| 5 rafts. | 10. Timber ... | ..... | 65 No | 65 No. | 500 | 65 No. | 500 |
| ... | 11. Bamboos ... | ..... | ..... | ..... | ..... | ..... | ..... |
| 10 & 5 rafts. | 12. Total ... | 6 | 52 & 65 No. | 58 & 65 No. | 4,009 | 58 & 65 No. | 4,009 |
| 26 & 12 rafts. | 13. Total of same month last year. | ..... | 316¾ & 7,235 No. | 316¾ & 7,235 No. | 2,598 | 142½ & 7,235 No. | 2,472 |

| | Up. | Down. | Total. |
|---|---|---|---|
| 14. Total number of boats plying cargo No. | 2 | 8 | 10 |
| 15. Total number of boats plying passenger No. | 14 | 3 | 17 |
| 15½. Total number of empty boats No. | 13 | 20 | 33 |
| 16. Total registered tonnage, cargo Tons | 89 | 109 | 198 |
| 17. Total registered tonnage, passenger Tons | 380 | 323 | 703 |
| 18. Ton-mileage ... | 3,478 | 5,648 | 9,126 |
| 19. Estimated value of cargo Rs. | 530 | 2,979 | 3,509 |
| 20. Number of passengers No. | 460 | 23 | 483 |
| 21. Rafts, bamboos ,, | ..... | ..... | ..... |
| 22. Do., bullahs ,, | ..... | 65 | 65 |
| 23. Estimated value of rafts Rs. | ..... | 500 | 500 |
| 24. Tollage on boats ,, | 60-11-0 | 42-15-0 | 103-10-0 |
| 25. Compounded tollage on boats Rs. | ..... | ..... | ..... |
| 26. Tollage on rafts ,, | ..... | 30-4-0 | 30-4-0 |
| 27. Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-2·18 |
| 28. Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | ..... |

| | Rs. |
|---|---|
| Total tollage of month—24 + 25 + 26 ... | 133 |
| Total tollage of same month last year ... | 233 |

*Memorandum of Tollage.*

| | Rs. |
|---|---|
| 1. Balance not recovered on the 1st of the month ... | 63 |
| 2. Tollage per month ... | 135 |
| 3. Total ... | 198 |
| 4. Amount credited in the accounts of the month ... | 178 |
| 5. Balance due at the end of the month ... | 20 |

## KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | PRIVATE. Quantity. Tons. | Value. Rupees. | REMARKS. |
|---|---|---|---|---|---|---|---|---|
| 143 | 1. Grain ... | 469 | 205 | 674 | 39,410 | 674 | 39,410 | |
| ... | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 4 | 3. Oilseeds ... | ..... | 64 | 64 | 7,910 | 64 | 7,910 | |
| 16 | 4. Salt ... | 36 | 39 | 75 | 6,300 | 75 | 6,300 | |
| 1 | 5. Piece-goods ... | ..... | 2 | 2 | 600 | 2 | 600 | |
| ... | 6. Metal ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 46 | 7. Building materials | ..... | 604 | 604 | 13,240 | 329 | 10,740 | |
| 129 | 8. Miscellaneous ... | 543 | 556 | 1,099 | 2,35,440 | 1,099 | 2,35,440 | |
| 6 | 9. Fuel ... | 35 | 5 | 40 | 100 | 35 | 80 | |
| 7 rafts. | 10. Timber ... | ..... | 89 No. | 89 No. | 500 | 89 No. | 500 | |
| 9 „ | 11. Bamboos ... | ..... | 77,200 „ | 77,200 „ | 930 | 77,200 „ | 930 | |
| 45 & 16 rafts. | 12. Total ... | 1,083 | 1,475 & 77,289 No. | 2,558 & 77,289 No. | 3,04,430 | 2,278 & 77,289 No. | 3,01,910 | |
| 19 & 10 rafts. | 13. Totai of same month last year. | 1,009 | 1,338 & 19,637 No. | 2,347 & 19,637 No. | 2,93,260 | 1,930 & 17,437 No. | 2,87,530 | |

| | Up. | Down. | Total. |
|---|---|---|---|
| 4. Total number of boats plying cargo No. | 190 | 155 | 345 |
| 5. Total number of boats plying passenger No. | 51 | 52 | 103 |
| 6. Total number of empty boats No. | 179 | 164 | 343 |
| 7. Total registered tonnage, cargo Tons | 2,302 | 2,687 | 4,989 |
| 8. Total registered tonnage, passenger Tons | 1,228 | 1,298 | 2,526 |
| 9. Total registered tonnage, empty boats. Tons | 1,345 | 1,021 | 2,366 |
| 10. Ton-mileage ... | 129,824 | 142,382 | 272,206 |
| 11. Estimated value of cargo Rs. | 1,58,930 | 1,44,070 | 3,03,000 |
| 12. Number of passengers No. | 1,666 | 1,986 | 3,652 |
| 13. Rafts, bamboos „ | ..... | 77,200 | 77,200 |
| 14. Do., timbers „ | ..... | 89 | 89 |
| 15. Estimated value of rafts Rs. | ..... | 1,430 | 1,430 |
| 16. Tollage on boats „ | 2,143-11-6 | 2,234-7-11 | 4,378-3-5 |
| 17. Compounded tollage on boats Rs. | ..... | ..... | ..... |
| 18. Tollage on rafts „ | ..... | 279-9-3 | 279-9-3 |
| 19. Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-3·1 |
| 20. Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 0-5-9 |

| | Rs. A. P. |
|---|---|
| Total tollage of month— 24 + 25 + 26 ... | 4,657 12 8 |
| Total tollage of same month last year ... | 3,873 6 8 |

*Memorandum of Tollage.*

| | Rs. A. P. |
|---|---|
| 1. Balance not recovered on the 1st of the month ... | 4,642 7 3 |
| 2. Tollage per month ... | 4,657 12 8 |
| 3. Total ... | 9,300 3 11 |
| 4. Amount credited in the accounts of the month ... | 3,883 3 11 |
| 5. Balance due at the end of the month ... | 5,417 0 0 |

## HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 33 MILES.

| Number of boats or rafts. | Description. | Total Government and Private. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | Private. Quantity. Tons. | Value. Rupees. |
|---|---|---|---|---|---|---|---|
| 63 | 1. Grain ... | 191 | ..... | 191 | 14,480 | 191 | 14,480 |
| ... | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... |
| 13 | 3. Oilseeds ... | 65 | ..... | 65 | 3,810 | 65 | 3,810 |
| 28 | 4. Salt ... | ..... | 48 | 48 | 4,000 | 48 | 4,000 |
| ... | 5. Piece-goods ... | ..... | ..... | ..... | ..... | ..... | ..... |
| ... | 6. Metal ... | ..... | ..... | ..... | ..... | ..... | ..... |
| 8 | 7. Building materials | 24 | ..... | 24 | 220 | 24 | 220 |
| 37 | 8. Miscellaneous ... | 16 | 65 | 81 | 18,030 | 81 | 18,030 |
| 26 | 9. Fuel ... | 198 | ..... | 198 | 550 | 198 | 550 |
| 4 rafts. | 10. Timber ... | 638 No. | ..... | 638 No. | 1,250 | 638 No. | 1,250 |
| ... | 11. Bamboos ... | ..... | ..... | ..... | ..... | ..... | ..... |
| 175 & 4 rafts. | 12. Total ... | 494 & 638 No. | 113 | 607 & 638 No. | 42,340 | 607 & 638 No. | 42,340 |
| 166 & 7 rafts. | 13. Total of same month last year ... | 495 & 1,883 No. | 187 | 682 & 1,883 No. | 47,280 | 682 & 1,883 No. | 47,280 |

| | | Up. | Down. | Total. |
|---|---|---|---|---|
| 14. | Total number of boats plying cargo No. | 120 | 55 | 175 |
| 15. | Total number of boats plying passenger No | 2 | 2 | 4 |
| 15½. | Total number of empty boats No. | 30 | 69 | 99 |
| 16. | Total registered tonnage, cargo Tons | 883 | 315 | 1,198 |
| 17. | Total registered tonnage, passenger Tons | 8 | 25 | 33 |
| 17½. | Total registered tonnage, empty boats Tons | 99 | 258 | 357 |
| 18. | Ton-mileage ... | 12,241 | 3,267 | 15,508 |
| 19. | Estimated value of cargo Rs. | 23,060 | 18,030 | 41,090 |
| 20. | Number of passengers No. | 6 | 10 | 16 |
| 21. | Rafts, bamboos " | ..... | ..... | ..... |
| 22. | Do., timber " | 638 | ..... | 638 |
| 23. | Estimated value of rafts Rs. | 1,250 | ..... | 1,250 |
| 24. | Tollage on boats " | 277-0-9 | 122-14-3 | 399-15-0 |
| 25. | Compounded tollage on boats Rs. | ..... | ..... | ..... |
| 26. | Tollage on rafts " | 51-2-9 | ..... | 51-2-9 |
| 27. | Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-4·9 |
| 28. | Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 0-12-8 |

| | Rs. |
|---|---|
| Total tollage of month—24 + 25 + 26 ... | 451 |
| Total tollage of same month last year ... ... | 618 |

*Memorandum of Tollage.*

| | |
|---|---|
| 1. Balance not recovered on the 1st of the month ... ... | |
| 2. Tollage per month ... | |
| 3. Total ... | |
| 4. Amount credited in the accounts of the month | |
| 5. Balance due at the end of the month ... | |

## HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | REMARKS. |
|---|---|---|---|---|---|---|---|---|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. | |
| 42 | 1. Grain ... | 113½ | 4 | 117½ | 5,646 | 117½ | 5,646 | |
| ..... | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2 | 3. Oilseeds ... | ..... | 8 | 8 | 778 | 8 | 778 | |
| 3 | 4. Salt ... | ..... | 8 | 8 | 1,135 | 8 | 1,135 | |
| 3 | 5. Piece-goods ... | ..... | 4½ | 4½ | 1,320 | 4½ | 1,320 | |
| 1 | 6. Metal ... | 2 | ..... | 2 | 1,240 | 2 | 1,240 | |
| 2 | 7. Building materials | ..... | 16 | 16 | 13 | ..... | ..... | |
| 14 | 8. Miscellaneous ... | 6½ | 27 | 33½ | 5,314 | 33½ | 5,314 | |
| 13 | 9. Fuel ... | ..... | 91½ | 91½ | 237 | ..... | ..... | |
| 2 rafts. | 10. Timber ... | ..... | 28 No. | 28 No. | 84 | 28 No. | 84 | |
| ..... | 11. Bamboos ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 80 & 2 rafts. | 12. Total ... | 122 | 159 & 28 No. | 281 & 28 No. | 15,767 | 173½ & 28 No. | 15,517 | |
| 132 & 10 rafts. | 13. Total of same month last year. | 169½ & 20 No. | 581½ & 529 No. | 751 & 549 No. | 25,663 | 250 & 549 No. | 25,452 | |

| | Up. | Down. | Total. |
|---|---|---|---|
| 4. Total number of boats plying cargo ... No. | 44 | 36 | 80 |
| 5. Total number of boats plying passenger No. | ..... | ..... | ..... |
| 6. Total number of empty boats No. | 36 | 95 | 131 |
| 7. Total registered tonnage, cargo ... Tons | 245 | 326 | 571 |
| 8. Total registered tonnage, passenger Tons | ..... | ..... | ..... |
| 9. Ton-mileage ... ... | 3,083 | 3,591 | 6,674 |
| 10. Estimated value of cargo Rs. | 6,969 | 8,714 | 15,683 |
| 11. Number of passengers No. | 251½ | 171½ | 423 |
| 12. Rafts, bamboos „ | ..... | ..... | ..... |
| 13. Do., bullahs „ | ..... | 168 | 168 |
| 14. Estimated value of rafts Rs. | ..... | 84 | 84 |
| 15. Tollage on boats „ | 53-12-6 | 76-1-3 | 129-13-9 |
| 16. Compounded tollage on boats Rs. | ..... | ..... | ..... |
| 17. Tollage on rafts „ | ..... | 10-14-6 | 10-14-6 |
| 18. Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-3·73 |
| 19. Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 6-7-10 |

| | Rs. | A. | P. |
|---|---|---|---|
| Total tollage of month—24+25+26 ... | 140 | 12 | 3 |
| Total tollage of same month last year ... | 333 | 9 | 9 |

*Memorandum of Tollage.*

| | Rs. | A. | P. |
|---|---|---|---|
| 1. Balance not recovered on the 1st of the month ... | ..... | | |
| 2. Tollage per month ... | 140 | 12 | 3 |
| 3. Total ... | 140 | 12 | 3 |
| 4. Amount credited in the accounts of the month ... | 140 | 12 | 3 |
| 5. Balance due at the end of the month ... | Nil. | | |

## HIGH LEVEL CANAL, RANGE III.

### LENGTH OF CANAL OPEN, 19 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | PRIVATE. Quantity. Tons. | Value. Rupees. | REMARKS. |
|---|---|---|---|---|---|---|---|---|
| 23 | 1. Grain ... | 58 | ..... | 58 | 2,690 | 58 | 2,690 | |
| ... | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3 | 3. Oilseeds ... | ..... | 9 | 9 | 1,028 | 9 | 1,028 | |
| 2 | 4. Salt ... | 4 | 2 | 6 | 720 | 6 | 720 | |
| ... | 5. Piece-goods ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| ... | 6. Metal ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| ... | 7. Building materials | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3 | 8. Miscellaneous ... | ..... | 10 | 10 | 1,380 | 10 | 1,380 | |
| 1 | 9. Fuel ... | ..... | 3 | 3 | 81 | 3 | 81 | |
| 7 rafts. | 10. Timber ... | ..... | 159 No. | 159 No. | 216 | 159 No. | 216 | |
| ... | 11. Bamboos ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 32 & 7 rafts. | 12. Total ... | 62 | 24 & 159 No. | 86 & 159 No. | 6,115 | 86 & 159 No. | 6,115 | |
| 33 | 13. Total of same month last year. | 45½ | 116 | 161½ | 6,809 | 86 | 6,677 | |

| | Up. | Down. | Total. |
|---|---|---|---|
| 14. Total number of boats plying cargo No. | 24 | 8 | 32 |
| 15. Total number of boats plying passenger No. | ..... | ..... | ..... |
| 15½. Total number of empty boats No. | 11 | 19 | 30 |
| 16. Total registered tonnage cargo ... Tons | 95 | 56 | 151 |
| 17. Total registered tonnage, passenger Tons | ..... | ..... | ..... |
| 18. Ton-mileage ... | 2,365 | 1,820 | 4,185 |
| 19. Estimated value of cargo Rs. | 3,154 | 2,745 | 5,899 |
| 20. Number of passengers No. | 214 | 171½ | 385½ |
| 21. Rafts, bamboos c. ft. | ..... | ..... | ..... |
| 22. Do., bullahs „ | ..... | 954 | 954 |
| 23. Estimated value of rafts Rs. | ..... | 216 | 216 |
| 24. Tollage on boats „ | 25-0-9 | 14-11-9 | 39-12-6 |
| 25. Compounded tollage on boats Rs. | ..... | ..... | ..... |
| 26. Tollage on rafts „ | ..... | 9-12-0 | 9-12-0 |
| 27. Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-1·82 |
| 28. Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 0-15-4 |

| | Rs. A. |
|---|---|
| Total tollage of month—24 + 25 + 26 ... | 49 8 |
| Total tollage of same month last year ... ... | 66 11 |

*Memorandum of Tollage.*

| | Rs. |
|---|---|
| 1. Balance not recovered on the 1st of the month ... | ..... |
| 2. Tollage per month ... | 49 |
| 3. Total ... | 49 |
| 4. Amount credited in the accounts of the month ... | 49 |
| 5. Balance due at the end of the month ... | ... |

## JAJEPORE CANAL.

LENGTH OF CANAL OPEN, 6½ MILES.

| Number of Crafts. | Description. | Total Government and Private. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | Private. Quantity. Tons. | Value. Rupees. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| 2 | 1. Grain ... | 2 | ..... | 2 | 31 | 2 | 31 | |
| 1 | 2. Cotton ... | ..... | 3 | 3 | 158 | 3 | 158 | |
| | 3. Oilseeds ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 4. Salt ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 5. Piece-goods ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 6. Metal ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3 | 7. Building materials | 24 | ..... | 24 | 42 | ..... | ..... | |
| 1 | 8. Miscellaneous ... | 3 | ..... | 3 | 830 | 3 | 830 | |
| | 9. Fuel ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| Rafts | 10. Timber ... | 48 No. | ..... | 48 No. | 20 | 48 No. | 20 | |
| | 11. Bamboos ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 6 Crafts. | 12. Total ... | 29 & 48 No. | 3 | 32 & 48 No. | 1,081 | 8 & 48 No. | 1,039 | |
| | 13. Total of same month last year | ..... | ..... | ..... | ..... | ..... | ..... | |

| | Up. | Down. | Total. |
|---|---|---|---|
| Total number of boats plying cargo No. | 6 | 1 | 7 |
| Total number of boats plying passenger No. | ..... | ..... | ..... |
| Total number of empty boats No. | 11 | 14 | 25 |
| Total registered tonnage, cargo ... Tons. | 58 | 6 | 64 |
| Total registered tonnage, passenger Tons. | ..... | ..... | ..... |
| Ton-mileage ... | 342 | 228 | 570 |
| Estimated value of cargo Rs. | 903 | 158 | 1,061 |
| Number of passengers No. | ..... | ..... | ..... |
| Rafts, bamboos c.ft. | ..... | ..... | ..... |
| Do., bullahs ,, | 288 | ..... | 288 |
| Estimated value of rafts Rs. | 20 | ..... | 20 |
| Tollage on boats ,, | 5-6-6 | 2-1-6 | 7-8-0 |
| Compounded tollage on boats ... Rs. | ..... | ..... | ..... |
| Tollage on rafts ,, | 1-9-4 | ..... | 1-9-4 |
| Total tollage on boats per ton-mile Rs | ..... | ..... | 0-0-2·52 |
| Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 0-8-10 |

| | Rs. A. P. |
|---|---|
| Total tollage of month—24 + 25 + 26 ... | 9 1 4 |
| Total tollage of same month last year ... | ..... |

*Memorandum of Tollage.*

| | Rs. A. P. |
|---|---|
| 1. Balance not recovered on the 1st of the month ... | ..... |
| 2. Tollage per month ... | 9 1 4 |
| 3. Total ... | 9 1 4 |
| 4. Amount credited in the accounts of the month ... | 9 1 4 |
| 5. Balance due at the end of the month ... | ..... |

## SOUTH-WESTERN CIRCLE.

### MIDNAPORE CANAL.

LENGTH OF CANAL OPEN, 53 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | PRIVATE. Quantity. Tons. | Value. Rupees. |
|---|---|---|---|---|---|---|---|
| 1,106 | 1. Grain ... | 4,985 | 320 | 5,305 | 2,51,484 | 5,305 | 2,51,484 |
| 1 | 2. Cotton ... | ..... | ..... | ..... | 400 | ..... | 400 |
| 13 | 3. Oilseeds ... | 28 | 72 | 100 | 10,668 | 100 | 10,668 |
| 116 | 4. Salt ... | ..... | 1,119 | 1,119 | 1,04,590 | 1,119 | 1,04,590 |
| 8 | 5. Piece-goods ... | 34 | 81 | 115 | 3,13,740 | 115 | 3,13,740 |
| 6 | 6. Metal ... | 27 | 7 | 34 | 33,620 | 34 | 33,620 |
| 33 | 7. Building materials | 335 | 9 | 344 | 1,547 | 344 | 1,547 |
| 321 | 8. Miscellaneous ... | 855 | 492 | 1,347 | 3,23,749 | 1,347 | 3,23,749 |
| 13 | 9. Fuel ... | 53 | 32 | 85 | 1,613 | 85 | 1,613 |
| 108 rafts. | 10. Timber ... | 32,973 c. ft. | 6 c. ft. | 32,979 c. ft. | 24,999 | 32,979 c. ft. | 24,999 |
| 3 „ | 11. Bamboos ... | 625 „ | 100 „ | 725 „ | 45 | 725 „ | 45 |
| 1,617 & 111 rafts. | 12. Total ... | 6,317 & 33,598 c. ft. | 2,132 & 106 c. ft. | 8,449 & 33,704 c. ft. | 10,66,455 | 8,449 & 33,704 c.ft. | 10,66,455 |
| 1,156 & 132 rafts. | 13. Total of same month last year. | 5,934 & 27,537 c. ft. | 1,745 & 371 c. ft. | 7,679 & 27,908 c. ft. | 5,91,344 | 7,679 & 27,908 c.ft. | 5,91,344 |

| | Up. | Down. | Total. |
|---|---|---|---|
| 14. Total number of boats plying cargo No. | 1,288 | 329 | 1,617 |
| 15. Total number of boats plying passenger No. | 478 | 555 | 1,033 |
| 15½. Total number of empty boats No. | 575 | 945 | 1,520 |
| 16. Total registered tonnage, cargo Tons | 16,746 | 4,974 | 21,720 |
| 17. Total registered tonnage, passenger Tons | 2,731 | 3,274 | 6,008 |
| 17½. Total registered tonnage, empty boats Tons | 2,213 | 3,574 | 5,787 |
| 18. Ton-mileage ... | 464,238 | 226,278 | 690,516 |
| 19. Estimated value of cargo Rs. | 4,72,623 | 5,68,788 | 10,41,411 |
| 20. Number of passengers No. | 5,664 | 9,512 | 15,176 |
| 21. Rafts, bamboos c. ft. | 625 | 100 | 725 |
| 22. Do., bullahs „ | 32,973 | 6 | 32,979 |
| 23. Estimated value of rafts Rs. | 25,029 | 15 | 25,044 |
| 24. Tollage on boats „ | 6,793-10-3 | 3,790-3-3 | 10,583-13-6 |
| 25. Compounded tollage on boats Rs | ..... | ..... | ..... |
| 26. Tollage on rafts „ | 408-6-3 | 0-12-0 | 409-2-3 |
| 27. Total tollage on boats per ton-mile „ | ..... | ..... | 0-0-2·9 |
| 28. Total tollage on rafts per 100 cubic feet „ | ..... | ..... | 1-3-5 |

| | R |
|---|---|
| Total tollage of month—24+25+26 ... | 10,9 |
| Total tollage of same month last year ... | 8,8 |

*Memorandum of Tollage.*

| | R |
|---|---|
| 1. Balance not recovered on the 1st of the month... | 5,7 |
| 2. Tollage per month ... | 10,9 |
| 3. Total ... | 16,7 |
| 4. Amount paid into Treasury during the month ... | 11,7 |
| 5. Balance due at the end of the month ... | 4,9 |

## HIDGELLEE TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

| Number of boats &c. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | PRIVATE. Quantity. Tons. | Value. Rupees. | REMARKS. |
|---|---|---|---|---|---|---|---|---|
| 367 | 1. Grain ... | 1,789 | ..... | 1,789 | 79,113 | 1,789 | 79,113 | |
| | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 3. Oilseeds ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 23 | 4. Salt ... | ..... | 165 | 165 | 18,400 | 165 | 18,400 | |
| 10 | 5. Piece-goods ... | ..... | 29 | 29 | 20,500 | 29 | 20,500 | |
| 2 | 6. Metal ... | ..... | 13 | 13 | 1,750 | 13 | 1,750 | |
| 9 | 7. Building materials | 14 | 24 | 38 | 265 | 38 | 265 | |
| 382 | 8. Miscellaneous ... | 624 | 186 | 810 | 64,841 | 810 | 64,841 | |
| 14 | 9. Fuel ... | 4 | 71 | 75 | 514 | 75 | 514 | |
| fts | 10. Timber ... | 227 c.ft | 11,932 c ft. | 12,159 c. ft. | 5,555 | 12,159 c.ft. | 5,555 | |
| | 11. Bamboos ... | 750 „ | ..... | 750 „ | 56 | 750 „ | 56 | |
| & fts. | 12. Total ... | 2,431 & 977 c. ft. | 488 & 11,932 c. ft. | 2,919 & 12,909 c. ft. | 1,90,994 | 2,919 & 12,909 c. ft. | 1,90,994 | |
| & fts. | 13. Total of same month last year. | 2,019 | 584 & 4,677 c. ft. | 2,603 & 4,677 c. ft. | 1,89,436 | 2,603 & 4,677c.ft. | 1,89,436 | |

| | Up. | Down. | Total. |
|---|---|---|---|
| Total number of boats plying cargo No. | 600 | 507 | 1,107 |
| Total number of boats plying passenger No. | 34 | 59 | 93 |
| Total registered tonnage, cargo Tons | 5,343 | 2,716 | 8,059 |
| Total registered tonnage, passenger Tons | 390 | 452 | 842 |
| Ton-mileage ... ... | 88,389 | 48,941 | 1,37,330 |
| Estimated value of cargo Rs | 1,16,450 | 68,933 | 1,85,383 |
| Number of passengers No. | 1,308 | 1,377 | 2,685 |
| Rafts, bamboos c. ft. | 750 | ..... | 750 |
| „ bullahs „ | 227 | 11,932 | 12,159 |
| Estimated value of rafts Rs. | 300 | 5,311 | 5,611 |
| Tollage on boats „ | 1,547-8-3 | 855-2-0 | 2,402-10-3 |
| Compounded tollage on boats Rs. | ..... | ..... | ..... |
| Tollage on rafts „ | 8-13-6 | 117-10-6 | 126-8-0 |
| Total tollage on boats per ton-mile „ | ..... | ..... | 0-0-3·3 |
| Total tollage on rafts per cubic feet „ | ..... | ..... | 0-15-8 |

| | Rs. | A. | P. |
|---|---|---|---|
| Total tollage of month—24 + 25 + 26 ... | 2,529 | 2 | 3 |
| Total tollage of same month last year | 2,363 | 11 | 3 |

*Memorandum of Tollage.*

| | | Rs. | A. | P. |
|---|---|---|---|---|
| 1. | Balance not recovered on the 1st of the month ... | 2,274 | 3 | 6 |
| 2. | Tollage per month ... | 2,529 | 2 | 3 |
| 3. | Total ... | 4,803 | 5 | 9 |
| 4. | Amount paid into Treasury during the month | 3,714 | 2 | 0 |
| 5. | Balance due at the end of the month ... | 1,089 | 3 | 9 |

## SONE CIRCLE.

### PATNA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 86¼ MILES.

| Number of boats or rafts. | Description. | Total Government and Private. | | | | Private. | |
|---|---|---|---|---|---|---|---|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. |
| | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. |
| 4 | 1. Grain ... | ..... | 29 | 29 | 2,285 | 29 | 2,285 |
| ... | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... |
| 26 | 3. Oilseeds ... | 2 | 363 | 365 | 38,037 | 365 | 38,037 |
| 5 | 4. Salt ... | 115 | ..... | 115 | 9,257 | 115 | 9,257 |
| 51 | 5. Piece-goods ... | 281 | 18 | 299 | 46,634 | 299 | 46,634 |
| ... | 6. Metal ... | 2 | ..... | 2 | 1,480 | 2 | 1,480 |
| 13 | 7. Building materials | 34 | 61 | 95 | 582 | ..... | ..... |
| 75 | 8. Miscellaneous ... | 40 | 556 | 596 | 83,304 | 319 | 82,900 |
| | 9. Fuel ... boats | ..... | 11 | 11 | 150 | ..... | ..... |
| 2 | 9. Fuel ... rafts | ..... | 84 | 84 | 210 | 84 | 210 |
| | 10. Timber rafts | ..... | 8 | 8 | 190 | 8 | 190 |
| ... | 11. Bamboos rafts | ..... | 182 | 182 | 3,340 | 182 | 3,340 |
| 176 | 12. Total ... | 474 | 1,312 | 1,786 | 1,85,469 | 1,403 | 1,84,333 |
| 189 | 13. Total of same month last year. | 293 | 1,678 | 1,971 | 96,641 | 1,249 | 95,548 |

| | Up. | Down. | Total. |
|---|---|---|---|
| 14. Total number of boats plying cargo No. | 62 | 114 | 176 |
| 15. Total number of boats plying passenger No. | 10 | 11 | 21 |
| 15½. Total number of empty boats No. | 80 | 20 | 100 |
| 16. Total registered tonnage, cargo Tons | 769 | 1,682 | 2,451 |
| 17. Total registered tonnage, passenger Tons | 163 | 151 | 314 |
| 17½. Total registered tonnage, empty boats Tons | 444 | 107 | 551 |
| 18. Ton-mileage ... | 75,669 | 1,31,905 | 2,07,574 |
| 19. Estimated value of cargo Rs. | 61,904 | 1,19,825 | 1,81,729 |
| 20. Number of passengers No. | 438½ | 461 | 899½ |
| 21. Rafts, bamboos c. ft. | ..... | 27,330 | 27,330 |
| 22. Do., bullahs ,, | ..... | 6,931 | 6,931 |
| 23. Estimated value of rafts Rs. | ..... | 3,740 | 3,740 |
| 24. Tollage on boats ,, | 572-5-6 | 879-6-6 | 1,451-12-0 |
| 25. Compounded tollage on boats Rs. | 75-0-0 | 75-0-0 | 150-0-0 |
| 26. Tollage on rafts ,, | ..... | 158-6-6 | 158-6-6 |
| 27. Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-1·4 |
| 28. Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 0-7-4 |

| | R |
|---|---|
| Total tollage of month—24 + 25 + 26 ... | 1,7 |
| Total tollage of same month last year ... | 1,2 |

*Memorandum of Tollage.*

| | R |
|---|---|
| 1. Balance not recovered on the 1st of the month ... | 2 |
| 2. Tollage per month ... | 1,7 |
| 3. Total ... | 1,9 |
| 4. Amount credited in the accounts of the month ... ... | 1,6 |
| 5. Balance due at the end of the month ... | 3 |

## ARRAH CANAL SYSTEM.

### LENGTH OF CANAL OPEN, 65 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | REMARKS. |
|---|---|---|---|---|---|---|---|---|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. | |
| 7 | 1. Grain ... | ..... | 137 | 137 | 11,453 | 137 | 11,453 | |
| 1 | 2. Cotton ... | 2 | 2 | 4 | 4,130 | 4 | 4,130 | |
| 21 | 3. Oilseeds ... | 2 | 284 | 286 | 26,740 | 286 | 26,740 | |
| 23 | 4. Salt ... | 233 | ..... | 233 | 20,723 | 233 | 20,723 | |
| 2 | 5. Piece-goods ... | 28 | 6 | 34 | 95,050 | 34 | 95,050 | |
| 2 | 6. Metal ... | 16 | 1 | 17 | 1,935 | 1 | 135 | |
| 11 | 7. Building materials | 4 | 52 | 56 | 577 | 30 | 174 | |
| 61 | 8. Miscellaneous ... | 110 | 315 | 425 | 25,318 | 250 | 25,179 | |
| 19 | 9. Fuel ... | 195 | 66 | 261 | 3,056 | 66 | 915 | |
| 1 | 10. Timber ... | ..... | 10 | 10 | 559 | 6 | 219 | |
| Rafts. | Bullahs ... | ..... | 215 | 215 | 680 | 215 | 680 | |
| Rafts. | 11. Bamboos ... | ..... | 1 | 1 | 40 | 1 | 40 | |
| Rafts. | Firewood ... | ..... | 284 | 284 | 2,051 | 284 | 2,051 | |
| 148 | 12. Total ... | 590 | 1,373 | 1,963 | 1,92,312 | 1,547 | 1,87,489 | |
| 124 | 13. Total of same month last year. | 470 | 1,313 | 1,783 | 1,31,856 | 1,495 | 1,31,650 | |

| | Up. | Down. | Total. |
|---|---|---|---|
| 1. Total number of boats plying cargo No. | 50 | 98 | 148 |
| 2. Total number of boats plying passenger No. | 4 | 4 | 8 |
| 3. Total number of empty boats No. | 73 | 12 | 85 |
| 4. Total registered tonnage, cargo Tons | 982 | 1,528 | 2,510 |
| 5. Total registered tonnage, passenger Tons | 71 | 91 | 162 |
| 6. Total registered tonnage, empty boats Tons | 312 | 43 | 355 |
| 7. Ton-mileage ... | 61,496 | 72,146 | 1,33,642 |
| 8. Estimated value of cargo Rs. | 1,21,584 | 67,957 | 1,89,541 |
| 9. Number of passengers No. | 804 | 1,100 | 1,904 |
| 10. Rafts, bamboos c. ft. | ..... | 200 | 200 |
| 11. Do., bullahs ,, | ..... | 16,150 | 16,150 |
| 12. Do., firewood ,, | ..... | 21,325 | 21,325 |
| 13. Estimated value of rafts Rs. | ..... | 2,771 | 2,771 |
| 14. Tollage on boats ,, | 330-5-11 | 522-10-0 | 852-15-11 |
| 15. Compounded tollage on boats Rs. | 292-0-0 | 292-0-0 | 584-0-0 |
| 16. Tollage on rafts ,, | ..... | 65-5-0 | 65-5-0 |
| 17. Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-2·06 |
| 18. Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 0-2-9 |

| | Rs. A. P. |
|---|---|
| Total tollage of month—24 + 25 + 26 ... | 1,502 4 11 |
| Total tollage of same month last year ... | 1,063 1 5 |

*Memorandum of Tollage.*

| | Rs. A. P. |
|---|---|
| 1. Balance not recovered on the 1st of the month .. ... | 46 8 9 |
| 2. Tollage per month ... | 1,502 4 11 |
| 3. Total ... | 1,548 13 8 |
| 4. Amount credited in the accounts of the month ... ... | 1,339 0 9 |
| 5. Balance due at the end of the month ... | 209 12 11 |

## BUXAR CANAL SYSTEM.

### LENGTH OF CANAL OPEN, 67 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | PRIVATE. Quantity. Tons. | Value. Rupees. | REMARKS. |
|---|---|---|---|---|---|---|---|---|
| | 1. Grain ... | ..... | 390 | 390 | 43,639 | 390 | 43,639 | |
| 21 | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| ... | 3. Oilseeds ... | 3 | 271 | 274 | 33,357 | 274 | 33,357 | |
| 15 | 4. Salt ... | 6 | ..... | 6 | 581 | 6 | 581 | |
| ... | 5. Piece-goods ... | 4 | 3 | 7 | 10,175 | 7 | 10,175 | |
| ... | 6. Metal ... | 1 | 1 | 2 | 1,680 | 2 | 1,680 | |
| ... | 7. Building materials | ..... | 21 | 21 | 750 | 14 | 500 | |
| 2 | 8. Miscellaneous ... | 25 | 142 | 167 | 17,704 | 167 | 17,704 | |
| 16 | 9 Fuel ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| ... | 10. Timber ... | ..... | 8 | 8 | 150 | 8 | 150 | |
| Rafts { | 11. Bamboos ... | ..... | 11 | 11 | 198 | 11 | 198 | |
| 54 | 12. Total ... | 39 | 847 | 886 | 1,08,234 | 879 | 1,07,984 | |
| 22 | 13. Total of same month last year. | 26 | 438 | 464 | 31,838 | 401 | 29,363 | |

| | Up. | Down. | Total. |
|---|---|---|---|
| 14. Total number of boats plying cargo No. | 3 | 51 | 54 |
| 15. Total number of boats plying passenger No. | 9 | 8 | 17 |
| 15½. Total number of empty boats No. | 23 | 13 | 36 |
| 16. Total registered tonnage, cargo Tons. | 44 | 1,094 | 1,138 |
| 17. Total registered tonnage, passenger Tons. | 243 | 216 | 459 |
| 17½. Total registered tonnage, empty boats Tons. | 98 | 47 | 145 |
| 18. Ton-mileage ... | 4,580 | 23,397 | 27,977 |
| 19. Estimated value of cargo Rs. | 15,417 | 92,469 | 1,07,886 |
| 20. Number of passengers No. | 650 | 720 | 1,370 |
| 21. Rafts, bamboos c. ft. | ..... | 1,650 | 1,650 |
| 22. Do., bullahs ,, | ..... | 600 | 600 |
| 23. Estimated value of rafts Rs. | ..... | 348 | 348 |
| 24. Tollage on boats ,, | 25-11-6 | 326-4-6 | 352-0 0 |
| 25. Compounded tollage on boats Rs. | 75-0-0 | 171-0-0 | 246-0-0 |
| 26. Tollage on rafts ,, | ..... | 3-13-6 | 3-13-6 |
| 27. Total tollage on boats per ton-mile ,, | ..... | ..... | 0-0-4 |
| 28. Total tollage on rafts per 100 cubic feet ... | ..... | ..... | 0-6-0 |

| | Rs. A. |
|---|---|
| Total tollage of month—24 + 25 + 26 ... | 601 13 |
| Total tollage of same month last year ... | 377 8 |

*Memorandum of Tollage.*

| | Rs. |
|---|---|
| 1. Balance not recovered on the 1st of the month ... | 167 |
| 2. Tollage per month ... | 601 1 |
| 3. Total ... | 768 1 |
| 4. Amount credited in the accounts of the month ... | 732 1 |
| 5. Balance due at the end of the month ... | 36 |

## ABSTRACT FOR THE MONTH OF NOVEMBER 1888 AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

| Canal. | Traffic, 1888-89. | | | | | | Traffic, 1887-88. | | | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | During the month. | | | To end of the month. | | | During the month. | | | To end of the month. | | | |
| *Orissa Circle.* | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | |
| da Canal System ... | 133 | 14 | 0 | 1,408 | 0 | 9 | 233 | 0 | 6 | 2,853 | 7 | 6 | |
| para Canal System | 4,657 | 12 | 8 | 29,426 | 3 | 1 | 3,873 | 6 | 8 | 25,403 | 9 | 1 | |
| Level, Range I ... | 451 | 1 | 9 | 3,824 | 15 | 6 | 618 | 14 | 3 | 4,112 | 5 | 6 | |
| to, „ II ... | 140 | 12 | 3 | 1,605 | 1 | 6 | 333 | 9 | 9 | 2,495 | 8 | 3 | |
| to, „ III ... | 49 | 8 | 6 | 765 | 3 | 6 | 66 | 11 | 6 | 751 | 11 | 6 | |
| re Canal . | 9 | 1 | 4 | 48 | 6 | 10 | ..... | | | ..... | | | |
| tal Orissa Circle ... | 5,442 | 2 | 6 | 37,077 | 15 | 2 | 5,125 | 10 | 8 | 35,616 | 9 | 10 | |
| *th-Western Circle.* | | | | | | | | | | | | | |
| ore Canal ... | 10,992 | 15 | 9 | 88,077 | 7 | 6 | 8,843 | 9 | 3 | 78,888 | 10 | 3 | |
| lee Tidal Canal ... | 2,529 | 2 | 3 | 42,330 | 1 | 6 | 2,363 | 11 | 3 | 36,958 | 9 | 6 | |
| South-Western Circle | 13,522 | 2 | 0 | 1,30,407 | 9 | 0 | 11,207 | 4 | 6 | 1,15,847 | 3 | 9 | |
| *Sone Circle.* | | | | | | | | | | | | | |
| Canal System ... | 1,760 | 2 | 6 | 18,049 | 1 | 6 | 1,249 | 12 | 0 | 17,154 | 2 | 0 | |
| ditto ... | 1,502 | 4 | 11 | 13,676 | 15 | 5 | 1,063 | 1 | 5 | 10,447 | 15 | 3 | |
| ditto ... | 601 | 13 | 6 | 6,256 | 15 | 6 | 377 | 8 | 10 | 4,954 | 3 | 8 | |
| Total Sone Circle ... | 3,864 | 4 | 11 | 37,983 | 0 | 5 | 2,690 | 6 | 3 | 32,556 | 4 | 11 | |
| Grand Total ... | 22,828 | 9 | 5 | 2,05,468 | 8 | 7 | 19,023 | 5 | 5 | 1,84,020 | 2 | 6 | |

## GOVERNMENT TRANSPORT SERVICE.

| Canal. | Traffic, 1888-89. | | | | | | Traffic, 1887-88. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | During the month. | | | To end of the month. | | | During the month. | | | To end of the month. | | |
| | Passengers. | Goods. | Total receipts. | Passengers. | Goods. | Total receipts. | Passengers. | Goods. | Total receipts. | Passengers. | Goods. | Total receipts. |
| *sa Circle.* | No. | Mds. | Rs. A. P. | No. | Mds. | Rs. A. P. | No. | Mds. | Rs. A. P. | No. | Mds. | Rs. A. P. |
| el ... ... | 733 | 694 | 873 0 10 | 3,194 | 1,963 | 3,601 12 4 | 256 | 451 | 290 6 11 | 2 503 | 3,736 | 3,141 14 5 |
| risa Circle ... | 733 | 694 | 873 0 10 | 3,194 | 1,963 | 3,601 12 4 | 256 | 451 | 290 6 11 | 2,503 | 3,736 | 3,141 14 5 |

## TOTAL NAVIGATION RECEIPTS.

| Canal. | Earnings, 1888-89. | | | | | | Earnings, 1887-88. | | | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | During the month. | | | To end of the month. | | | During the month. | | | To end of the month. | | | |
| | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | |
| nals | | | | | | | | | | | | | |
| e Canal ... | 6,315 | 3 | 4 | 40,679 | 11 | 6 | 5,416 | 1 | 7 | 38,758 | 8 | 3 | |
| Tidal Canal ... | 10,992 | 15 | 9 | 88,077 | 7 | 6 | 8,843 | 9 | 3 | 78,888 | 10 | 3 | |
| ls ... | 2,529 | 2 | 3 | 42,330 | 1 | 6 | 2,363 | 11 | 3 | 36,958 | 9 | 6 | |
| ... | 3,864 | 4 | 11 | 37,983 | 0 | 5 | 2,690 | 6 | 3 | 32,556 | 4 | 11 | |
| Total ... | 23,701 | 10 | 3 | 2,09,070 | 4 | 11 | 19,313 | 12 | 4 | 1,87,162 | 0 | 11 | |

Calcutta,
*th January* 1889.

G. A. G. Shawe,
*Under-Secy. to the Govt. of Bengal.*

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

### ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

*Statement showing quantities of Goods carried during the month of November* 1888.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | PRIVATE. Quantity. Tons. | Value. Rupees. |
|---|---|---|---|---|---|---|---|
| 174 | 1. Grain ... | 1,626 | 33 | 1,659 | 76,263 | 1,659 | 76,263 |
| 1 | 2. Cotton ... | ..... | 2 | 2 | 900 | 2 | 900 |
| 6 | 3. Oilseeds ... | 5 | ..... | 5 | 465 | 5 | 465 |
| 30 | 4. Salt ... | ..... | 239 | 239 | 20,150 | 239 | 20,150 |
| 8 | 5. Piece-goods ... | ..... | 14 | 14 | 9,400 | 14 | 9,400 |
| 2 | 6. Metal ... | ..... | 4 | 4 | 1,200 | 4 | 1,200 |
| 8 | 7. Building materials | 8 | 20 | 28 | 293 | 28 | 293 |
| 599 | 8. Miscellaneous ... | 410 | 121 | 531 | 43,266 | 531 | 43,266 |
| 8 | 9. Fuel ... | 4 | 30 | 34 | 367 | 34 | 367 |
| 10 rafts | 10. Timber ... | 1,352 c. ft. | 200 c. ft. | 1,552 c. ft. | 1,415 | 1,552 c. ft. | 1,415 |
| 36 „ | 11. Bamboos ... | 1,575 „ | 37 „ | 1,612 „ | 317 | 1,612 „ | 317 |
| 836 & 46 rafts. | 12. Total ... | 2,053 & 2,927 c. ft. | 463 & 237 c. ft. | 2,516 & 3,164 c. ft. | 1,54,036 | 2,516 & 3,164 c. ft. | 1,54,036 |
| 875 & 17 rafts. | 13. Total of same month last year | 2,100 & 1,069 c. ft. | 1,332 & 5 c. ft. | 3,432 & 1,074 c. ft. | 2,51,363 | 3,432 & 1,074 c. ft. | 2,51,363 |

| | Up. | Down. | Total. |
|---|---|---|---|
| 14. Total number of boats plying cargo No. | 483 | 353 | 836 |
| 15. Total number of boats plying passenger No. | 54 | 66 | 120 |
| 16. Total registered tonnage, cargo Tons | 4,508 | 1,984 | 6,492 |
| 17. Total registered tonnage, passenger Tons | 678 | 684 | 1,362 |
| 18. Ton-mileage ... | 1,33,740 | 70,236 | 2,03,976 |
| 19. Estimated value of cargo Rs. | 1,04,189 | 48,115 | 1,52,304 |
| 20. Number of passengers No. | 1,462 | 1,410 | 2,872 |
| 21. Rafts, bamboos C. ft. | 1,575 | 37 | 1,612 |
| 22. Do., bullahs „ | 1,352 | 200 | 1,552 |
| 23. Estimated value of rafts Rs. | 1,530 | 202 | 1,732 |
| 24. Tollage on boats „ | 2,365-14-9 | 1,231-4-3 | 3,597-3-0 |
| 25. Compounded tollage on boats Rs. | 3-12-0 | 14-7-0 | 18-3-0 |
| 26. Tollage on rafts „ | 29-15-0 | 2-9-6 | 32-8-6 |
| 27. Total tollage on boats per ton-mile „ | ..... | ..... | 0-0-3·3 |
| 28. Total tollage on rafts per 100 cubic feet „ | ..... | ..... | 1-0-5 |

| | Rs. |
|---|---|
| Total tollage of month—24+25+26 ... | 3,647 |
| Total tollage of same month last year ... | 5,126 |

*Memorandum of Tollage.*

| | Rs. |
|---|---|
| 1. Balance not recovered on the 1st of the month .. | 5,765 |
| 2. Tollage per month ... | 3,647 |
| 3. Total ... | 9,412 |
| 4. Amount paid into treasury during the month ... | 5,523 |
| 5. Balance due at the end of the month ... | 3,889 |

*Abstract for the month of November* 1888 *as compared with the corresponding month of the previous year.*

| | 1888-89. During the month. | 1888-89. To end of the month. | 1887-88. During the month. | 1887-88. To end of the |
|---|---|---|---|---|
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. |
| Tollage ... ... ... | 3,647 14 6 | 42,143 4 0 | 5,126 15 9 | 28,578 |

CALCUTTA,
*The 15th January* 1889.

G. A. G. SHAWE,
*Under-Secy. to the Govt. of*

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

### CALCUTTA AND EASTERN CANALS.

*Statement showing Quantities of Goods carried during the month of November 1888.*

| Number of boats or rafts. | Description. | Total Government and Private. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | Private. Quantity. Tons. | Value. Rupees. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| 617 | 1. Grain ... | 8,539 | ..... | 8,539 | 8,10,354 | 8,539 | 8,10,354 | |
| ..... | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 25 | 3. Oilseeds ... | 458 | ..... | 458 | 51,300 | 458 | 51,300 | |
| 543 | 4. Salt ... | 518 | 8,915 | 9,433 | 8,91,422 | 9,433 | 8,91,422 | |
| ..... | 5. Piece-goods ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 7 | 6. Metal ... | 13 | 32 | 45 | 7,050 | 45 | 7,050 | |
| 155 | 7. Building materials | 3,322 | 86 | 3,408 | 49,095 | 3,408 | 49,095 | |
| 3,751 | 8. Miscellaneous*... | 32,962 | 1,149 | 34,111 | 38,84,658 | 34,111 | 38,84,658 | |
| 816 | 9. Fuel ... | 10,796 | 5,443 | 16,239 | 1,35,615 | 16,239 | 1,35,615 | |
| ..... | 10. Timber ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 1 raft. | 11. Bamboos ... | 75 c. ft. | ..... | 75 c. ft. | 9 | 75 c. ft. | 9 | |
| 4,914 & 1 raft. | 12. Total ... | 56,608 & 75 c. ft. | 15,625 | 72,233 & 75 c. ft. | 58,29,503 | 72,233 & 75 c. ft. | 58,29,503 | |
| 4,480 & 1 rafts. | 13. Total of same month last year. | 54,968 & 60 c. ft. | 13,535 | 68,503 & 60 c. ft. | 50,56,207 | 68,503 & 60 c. ft. | 50,56,207 | |

* For detail see next page.

| | Up. | Down. | Total. |
|---|---|---|---|
| Total number of boats plying cargo No. | 5,091 | 823 | 5,914 |
| Ditto empty ,, | 2,017 | 1,088 | 3,105 |
| Total number of boats plying passenger No. | 336 | 8 | 344 |
| Total registered tonnage, cargo Tons | 1,35,702 | 41,241 | 1,76,943 |
| Total registered tonnage, passenger Tons | 912 | 24 | 936 |
| Ton-mileage ... | 12,08,695 | 4,12,410 | 16,21,105 |
| Estimated value of cargo Rs. | 47,81,142 | 10,48,352 | 58,29,494 |
| Number of passengers No. | 1,306 | 31 | 1,337 |
| Rafts, bamboos C. ft. | 75 | ..... | 75 |
| Do., bullahs ,, | ..... | ..... | ..... |
| Estimated value of rafts Rs. | 9 | ..... | 9 |
| Tollage on boats ,, | 33,486-8-0 | 10,172-2-0 | 43,658-10-0 |
| Compounded tollage on boats Rs. | ..... | ..... | ..... |
| Tollage on rafts ,, | 0-4-0 | ..... | 0-4-0 |
| Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-5·17 |
| Ditto on rafts per 100 cubic feet Rs. | ..... | ..... | 0-5-4 |

| | Rs. | A. | P. |
|---|---|---|---|
| Total tollage of month—24+25+26 ... | 43,658 | 14 | 0 |
| Total tollage of same month last year ... | 42,440 | 15 | 0 |

*Memorandum of Tollage.*

| | Rs. | A. | P. |
|---|---|---|---|
| 1. Balance not recovered on the 1st of the month ... | 2,011 | 15 | 3 |
| 2. Tollage per month ... | 43,658 | 14 | 0 |
| 3. Total ... | 45,670 | 13 | 3 |
| 4. Amount paid into treasury during the month ... | 43,862 | 8 | 6 |
| 5. Balance due at the end of the month ... | 1,808 | 4 | 9 |

## ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

### CALCUTTA AND EASTERN CANALS.

| Number of boats or rafts. | Description. | Total Government and Private. | | | | Private. | | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. | |
| 1,489 | (a) Jute ... | 27,512 | ..... | 27,512 | 30,81,400 | 27,512 | 30,81,400 | |
| 51 | (b) Jaggery ... | 386 | 13 | 399 | 44,700 | 399 | 44,700 | |
| 11 | (c) Sugar ... | 96 | ..... | 96 | 29,700 | 96 | 29,700 | |
| 7 | (d) Tobacco ... | 8 | 24 | 32 | 7,200 | 32 | 7,200 | |
| 1,156 | (e) Fish ... | 164 | ..... | 164 | 46,137 | 164 | 46,137 | |
| 5 | (f) Hides ... | 5 | ..... | 5 | 1,060 | 5 | 1,060 | |
| 66 | (g) Poultry ... | 13 | ..... | 13 | 10,978 | 13 | 10,978 | |
| 74 | (h) Hay and straw ... | 362 | ..... | 362 | 6,330 | 362 | 6,330 | |
| 65 | (j) Oils ... | 14 | 852 | 866 | 1,21,275 | 866 | 1,21,275 | |
| 35 | (k) Earthenware ... | 52 | ..... | 52 | 737 | 52 | 737 | |
| 792 | (m) Other miscellaneous ... | 4,350 | 260 | 4,610 | 5,35,141 | 4,610 | 5,35,141 | |
| 3,751 | Total Miscellaneous... | 32,962 | 1,149 | 34,111 | 38,84,658 | 34,111 | 38,84,658 | |

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

### TOLLY'S NULLAH.

*Statement showing quantities of Goods carried during the month of November* 1888.

| Number of boats or rafts. | Description. | Total Government and Private. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | Private. Quantity. Tons. | Value. Rupees. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| 2,840 | 1. Grain ... | 10,076 | 3 | 10,079 | 8,24,838 | 10,079 | 8,24,838 | |
| 2 | 2. Cotton ... | 9 | ..... | 9 | 4,500 | 9 | 4,500 | |
| 17 | 3. Oilseeds ... | 265 | ..... | 265 | 29,700 | 265 | 29,700 | |
| 107 | 4. Salt ... | 601 | 663 | 1,264 | 1,18,475 | 1,264 | 1,18,475 | |
| ..... | 5. Piece-goods ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| ..... | 6. Metal ... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 265 | 7. Building materials | 2,569 | ..... | 2,569 | 11,481 | 2,569 | 11,481 | |
| 1,250 | 8. Miscellaneous* ... | 3,250 | 43 | 3,293 | 3,67,167 | 3,293 | 3,67,167 | |
| 258 | 9. Fuel ... | 2,975 | 43 | 3,018 | 25,192 | 3,018 | 25,192 | |
| rafts. | 10. Timber ... | 6,772 c. ft. | 2,735 c. ft. | 9,507 c. ft. | 23,767 | 9,507 c ft. | 23,767 | |
| „ | 11. Bamboos ... | 108 „ | ..... | 108 „ | 13 | 108 „ | 13 | |
| 4,739 & rafts. | 12. Total ... | 19,745 & 6,880 c. ft. | 752 & 2,735 c. ft. | 20,497 & 9,615 c. ft. | 14,05,133 | 20,497 & 9,615 c. ft. | 14,05,133 | |
| 4,270 & rafts. | 13. Total of same month last year ... | 22,626 & 3,582 c. ft. | 553 & 2,400 c. ft. | 23,179 & 5,982 c. ft. | 14,97,970 | 23,179 & 5,982 c. ft. | 14,97,970 | |

* For detail see next page.

| | Up. | Down. | Total. |
|---|---|---|---|
| 1. Total number of boats plying cargo ... No. | 4,347 | 392 | 4,739 |
| 2. Ditto empty ... „ | 2,069 | 360 | 2,429 |
| 3. Total number of boats plying passenger ... No. | 617 | 29 | 646 |
| 4. Total registered tonnage, cargo ... Tons | 56,367 | 4,029 | 60,396 |
| 5. Total registered tonnage, passenger ... Tons | 2,147 | 121 | 2,268 |
| 6. Ton-mileage ... .. | 5,73,379 | 64,464 | 6,37,843 |
| 9. Estimated value of cargo Rs. | 13,11,233 | 70,120 | 13,81,353 |
| 10. Number of passengers No. | 6,640 | 323 | 6,963 |
| 11. Rafts, bamboos C. ft. | 108 | ..... | 108 |
| 12. Do., bullahs ... „ | 6,772 | 2,735 | 9,507 |
| 13. Estimated value of rafts Rs. | 16,943 | 6,837 | 23,780 |
| 14. Tollage on boats „ | 10,841-4-6 | 1,014-1-6 | 11,855-6-0 |
| 15. Compounded tollage on boats „ Rs. | ..... | ..... | ..... |
| 16. Tollage on rafts „ | 29-6-0 | 13 8-0 | 42-14-0 |
| 17. Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-3·56 |
| 18. Ditto on rafts per 100 cubic feet ... Rs. | ..... | ..... | 0-7-1 |

| | Rs. | A. | P. |
|---|---|---|---|
| Total tollage of month—24+25+26 ... | 11,898 | 4 | 0 |
| Total tollage of same month last year ... | 12,280 | 1 | 0 |

*Memorandum of Tollage.*

| | Rs. | A. | P. |
|---|---|---|---|
| 1. Balance not recovered on the 1st of the month ... | 517 | 7 | 3 |
| 2. Tollage per month ... | 11,898 | 4 | 0 |
| 3. Total ... | 12,415 | 11 | 3 |
| 4. Amount paid into treasury during the month ... | 12,111 | 13 | 3 |
| 5. Balance due at the end of the month ... | 303 | 14 | 0 |

## ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

### TOLLY'S NULLAH.

| Number of boats or rafts. | Description. | Total Government and Private. | | | | Private. | |
|---|---|---|---|---|---|---|---|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. |
| | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. |
| 43 | (*a*) Jute ... | 278 | ..... | 278 | 31,180 | 278 | 31,180 |
| 88 | (*b*) Jaggery ... | 424 | 1 | 425 | 47,600 | 425 | 47,600 |
| ..... | (*c*) Sugar ... | ..... | ..... | ..... | ..... | ..... | ..... |
| 13 | (*d*) Tobacco ... | 21 | 8 | 29 | 9,720 | 29 | 9,720 |
| 150 | (*e*) Fish ... | 28 | 1 | 29 | 8,320 | 29 | 8,320 |
| 2 | (*f*) Hides ... | 9 | ..... | 9 | 2,640 | 9 | 2,640 |
| 10 | (*g*) Poultry ... | 3 | ..... | 3 | 1,348 | 3 | 1,348 |
| 506 | (*h*) Hay and straw... | 756 | ..... | 756 | 11,729 | 756 | 11,729 |
| 59 | (*j*) Oils ... | 52 | ..... | 52 | 7,375 | 52 | 7,375 |
| 108 | (*k*) Earthenware ... | 110 | 2 | 112 | 1,567 | 112 | 1,567 |
| 271 | (*m*) Other miscellaneous ... | 1,569 | 31 | 1,600 | 2,45,688 | 1,600 | 2,45,688 |
| 1,250 | Total Miscellaneous... | 3,250 | 43 | 3,293 | 3,67,167 | 3,293 | 3,67,167 |

## ABSTRACT FOR THE MONTH OF NOVEMBER 1888, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

| | Traffic, 1888-89. | | Traffic, 1887-88. | |
|---|---|---|---|---|
| | During the month. | To end of the month. | During the month. | To end of the month. |
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| Calcutta and Eastern Canals ... | 43,658 14 0 | 2,35,377 13 6 | 42,440 15 0 | 2,15,245 2 3 |
| Tolly's Nullah ... ... | 11,898 4 0 | 81,362 10 0 | 12,280 1 0 | 76,616 11 3 |
| Total ... | 55,557 2 0 | 3,16,740 7 6 | 54,721 0 0 | 2,91,861 13 6 |

CALCUTTA,
*The 15th January* 1889.

G. A. G. SHAWE,
*Under-Secretary to the Government of Bengal.*

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

### NUDDEA RIVERS.

*Statement showing quantities of Goods carried during the month of November* 1888.

| Number of boats or rafts. | Description. | Total Government and Private. Quantity—Tons. Up. | Down. | Total. | Value. Rupees. | Private. Quantity. Tons. | Value. Rupees. |
|---|---|---|---|---|---|---|---|
| 539 | 1. Grain ... | 169 | 6,657 | 6,826 | 4,37,136 | 6,826 | 4,37,136 |
| 1 | 2. Cotton ... | ..... | 17 | 17 | 2,000 | 17 | 2,000 |
| 130 | 3. Oilseeds ... | 37 | 1,843 | 1,880 | 2,09,529 | 1,880 | 2,09,529 |
| 306 | 4. Salt ... | 2,784 | ..... | 2,784 | 2,41,706 | 2,784 | 2,41,706 |
| ..... | 5. Piece-goods ... | ..... | ..... | ..... | ..... | ..... | ..... |
| 12 | 6. Metal ... | 48 | 21 | 69 | 47,180 | 69 | 47,180 |
| 47 | 7. Building materials | 294 | 138 | 432 | 4,400 | 432 | 4,400 |
| 1,122 | 8. Miscellaneous ... | 1,828 | 9,408 | 11,236 | 18,58,957 | 11,236 | 18,58,957 |
| 71 | 9. Fuel ... | 529 | 101 | 630 | 7,381 | 630 | 7,381 |
| 5 rafts | 10. Timber ... | 13 c.ft. | 3,698 c. ft. | 3,711 c. ft. | 2,780 | 3,711 c. ft. | 2,780 |
| 9 „ | 11. Bamboos ... | 153 „ | ..... | 153 „ | 16 | 153 „ | 16 |
| 2,228 & 14 rafts. | 12. Total ... | 5,689 & 166 c. ft. | 18,185 & 3,698 c. ft. | 23,874 & 3,864 c. ft. | 28,11,085 | 23,874 & 3,864 c.ft | 28,11,085 |
| 2,516 & 28 rafts. | 13. Total of same month last year | 7,139 1/2 8 & 454 c. ft. | 18,074 & 11,156 c. ft. | 25,2 3 1/2 8 & 11,610 c. ft. | 26,75,129 | 25,213 1/2 8 & 11,610 c. ft. | 26,75,129 |

| | Up. | Down. | Total. |
|---|---|---|---|
| 14. Total number of boats plying cargo No. | 741 | 1,487 | 2,228 |
| 14A. Ditto empty boats, steamers, &c. No. | 1,020 | 93 | 1,113 |
| 15. Total number of boats plying passenger No. | 743 | 1,309 | 2,052 |
| 15A. Ditto empty boats „ | 93 | 37 | 130 |
| 16. Total registered tonnage, cargo Tons | 16,772 | 36,780 | 53,552 |
| 17. Total registered tonnage, passenger Tons | 594 | 370 | 964 |
| 18. Ton-mileage | ..... | ..... | ..... |
| 19. Estimated value of cargo Rs. | 7,52,045 | 20,56,244 | 28,08,289 |
| 20. Number of passengers No. | 3,774 | 10,307 | 14 081 |
| 21. Rafts, bamboos C. ft. | 153 | ..... | 153 |
| 22. Do., bullahs „ | 13 | 3,698 | 3,711 |
| 23. Estimated value of rafts Rs. | 56 | 2,740 | 2,796 |
| 24. Tollage on boats „ | 3,839-11-0 | 9,444-15-0 | 13,284-10-0 |
| 25. Compounded tollage on boats Rs. | ..... | ..... | ..... |
| 26. Tollage on rafts „ | 2-1-0 | 34-6-6 | 36-7-6 |
| 27.* Total tollage on boats per ton-mile ... | ..... | ..... | ..... |
| 28. Ditto on rafts per 100 cubic feet ... Rs. | ..... | ..... | 0-15-1 |

| | Rs. |
|---|---|
| Total tollage of month—24+25+26 ... | 13,321 |
| Total tollage of same month last year ... | 13,817 |

*Memorandum of Tollage.*

| | Rs. |
|---|---|
| 1. Balance not recovered on the 1st of the month ... | 684 |
| 2. Tollage per month ... | 13,321 |
| 3. Total ... | 14,00 |
| 4. Amount paid into Treasury during the month ... | 13,438 |
| 5. Balance due at the end of the month ... | 567 |

* Boats in these rivers do not pay per mile.

*Abstract for the month of November* 1888 *as compared with the corresponding month of the previous year.*

| | 1888-89. During the month. | 1888-89. To end of the month. | 1887-88. During the month. | 1887-88. To end of |
|---|---|---|---|---|
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. |
| Tollage ... ... ... | 13,321 1 6 | 1,54,152 5 2 | 13,817 3 3 | 1,58,70 |

CALCUTTA,
*The 15th January* 1889.

G. A. G. SHAWE,
*Under-Secy to the Govt. of Be*

## IRRIGATION BRANCH.

### Irrigation Operations for the official year 1888-89.

### *Areas leased for Irrigation up to the end of November* 1888.

| Circle. | District. | Canal. | Estimated full discharge. | Average discharge in month. | Discharge utilised. | Approximate area of land irrigated during the year up to the end of the month. | Approximate area of land under irrigation up to the same date last year. | Details of area leased. | | | | | | | | Rainfall, 1888-89. | | Rainfall, 1887-88. | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Five years, all crops. | Five years, kharif. | Annual leases. | | | | | Grand Total. | During month. | Up to end of month. | During month. | Up to end of month. | |
| | | | | | | | | | | Kharif. | Rabi. | Sugar-cane. | Bhadoi. | Hot weather. | Total. | | | | | |
| | | | C. ft. | C. ft. | C. ft. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Inch. | Inch. | Inch. | Inch. | |
| Orissa | Cuttack | Taldunda, 1st Reach. | 1,342 | 249 | 4 | 9,832 | 4,874 | ..... | 9,852 | ..... | 226 | 14 | ..... | ..... | 240 | 10,072 | 11·90 | 69·48 | 1·52 | 51·51 | |
| | | Taldunda, 2nd Reach. | 566 | 24 | | | | | | | | | | | | | | | | | |
| | | Machgong ... | 776 | 95 | 32 | 27,021 | 19,763 | ..... | 27,021 | ..... | 1 | ..... | ..... | ..... | | 27,022 | 5·80 | 48·52 | 0·45 | 47·35 | |
| | | Kendrapara ... | 1,667 | 351·31 | 221·94 | 47,803 | 36,686 | ..... | 48,031 | 20 | 2,338 | 40 | ..... | ..... | 2,398 | 50,449 | 1·90 | 48·83 | 0·60 | 24·25 | |
| | | Gobri ... | 372·88 | 61·29 | 57·83 | 1,717 | 669 | ..... | 1,029 | ..... | 22 | ..... | ..... | ..... | 22 | 1,051 | 2·58 | 57·02 | 1·60 | 32·20 | |
| | | Gobri extension canal. | 648·00 | 88·28 | 75·30 | 2,345 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2·13 | 46·55 | ..... | 47·37 | |
| | | Pattamoondi ... | 885 | 135·03 | 46·75 | 9,293 | 8,089 | ..... | 6,515 | ..... | 8 | ..... | ..... | ..... | 8 | 6,523 | ..... | ..... | 0·60 | 8·04 | |
| | | High Level, Range I. | 608 | 301 | 132 | 18,448 | 14,023 | ..... | 14,861 | ..... | 3 | ..... | ..... | ..... | 3 | 14,864 | ..... | ..... | ..... | ..... | |
| | | High Level, Range II. | 727·16 | 59·36 | 9·20 | 2,444 | 1,312 | ..... | 1,814 | 12 | 29 | ..... | ..... | ..... | 41 | 1,855 | 0·86 | 38·45 | ..... | 34·90 | |
| | Balasore | High Level, Range III. | 727·16 | 153·86 | 153·09 | 20,898 | 9,547 | ..... | 19,298 | 92 | ..... | 115 | ..... | ..... | 207 | 19,505 | ..... | ..... | ..... | ..... | |
| | | Total ... | ..... | ..... | ..... | 139,711 | 95,556 | ..... | 128,421 | 124 | 2,627 | 169 | ..... | ..... | 2,920 | 131,341 | 1·71 | 51·12 | 0·16 | 49·72 | |
| | | Total of the corresponding period of last year. | ..... | ..... | ..... | ..... | ..... | ..... | 99,611 | 45 | 535 | 171 | ..... | ..... | 771 | 100,382 | ..... | ..... | ..... | ..... | |
| South-Western. | Midnapore ... | Midnapore ... | 1,411 | 250 | 219 | 49,769 | 57,909 | ..... | 48,900 | ..... | ..... | ..... | ..... | ..... | ..... | 48,900 | 0·68 | 61·58 | 0·12 | 52·33 | Whole month discharging. |
| | Howrah | Panchkoorah ... | 522 | 27 | 12 | 4,619 | 3,578 | ..... | 5,607 | 44 | 1,136 | ..... | ..... | ..... | 1,180 | 6,787 | 0·26 | 55·42 | 0·80 | 53·27 | Ten days discharging. |
| | | Tidal Reaches, Ranges I and II. | ..... | ..... | ..... | 389 | 207 | ..... | 502 | ..... | ... | ..... | ..... | ..... | ..... | 502 | ..... | ..... | ..... | ..... | |
| | | Total ... | ..... | ..... | ..... | 54,777 | 61,694 | ..... | 55,009 | 44 | 1,136 | ..... | ..... | ..... | 1,180 | 56,189 | ..... | ..... | ..... | ..... | |
| | | Total of the corresponding period of last year. | ..... | ..... | ..... | ..... | ..... | ..... | 62,721 | 1,157 | ..... | ..... | ..... | ..... | 1,157 | 63,878 | ..... | ..... | ..... | ..... | |
| Sone | Shahabad ... | Western Main ... | 4,342 | 2,210 | 104 | 20,727 | 26,522 | 13,988 | ..... | 2,126 | 6,070 | 93 | 31 | 201 | 8,521 | 22,509 | 0·01 | 39·73 | ..... | 33·06 | |
| | | Buxar ... | 1,226 | 773 | 454 | 77,153 | 76,732 | 42,506 | ..... | 17,409 | 13,087 | 1,321 | 171 | 1,971 | 33,959 | 76,465 | | | | | |
| | | Arrah ... | 2,000 | 1,309 | 892 | 147,443 | 127,373 | 99,384 | ..... | 28,368 | 12,559 | 1,492 | 27 | 6,882 | 49,328 | 148,712 | 0·38 | 37·07 | ..... | 38·70 | |
| | Patna and Gya. | Eastern Main ... | 1,466 | 767 | 382 | 1,647 | 1,473 | 866 | ..... | 479 | 57 | 10 | ..... | ..... | 546 | 1,412 | 0·68 | 41·83 | ..... | 45·54 | |
| | | Patna ... ... | | | | 57,934 | 55,851 | 54,813 | ..... | 17,934 | 3,308 | 207 | 101 | ..... | 21,550 | 56,363 | | | | | |
| | | Total ... | ..... | ..... | ..... | 304,904 | 287,971 | 191,557 | ..... | 66,316 | 35,081 | 3,123 | 330 | 9,054 | 113,904 | 305,461 | ..... | ..... | ..... | ..... | |
| | | Total of the corresponding period of last year. | ..... | ..... | ..... | ..... | ..... | 195,853 | ..... | 46,009 | 3,829 | 3,885 | 199 | 9,313 | 63,235 | 259,088 | ..... | ..... | ..... | ..... | |
| | | Grand Total ... | ..... | ..... | ..... | 499,392 | 445,221 | 191,557 | 183,430 | 66,484 | 38,844 | 3,292 | 330 | 9,054 | 113,004 | 402,991 | ..... | ..... | ..... | ..... | |
| | | Grand Total of the corresponding period of last year ... ... | ..... | ..... | ..... | ..... | ..... | 195,853 | 162,332 | 47,211 | 4,384 | 4,056 | 199 | 9,313 | 65,163 | 423,348 | ..... | ..... | ..... | ..... | |

*The* 15*th January* 1889.

G. A. G. Shawe,

*Under-Secretary to the Govt. of Bengal.*

## PUBLIC WORKS DEPARTMENT,—BENGAL.

### IRRIGATION BRANCH.

*Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee, and Brahmapootra for the month of December* 1888.

| DATE. | | River Ganges. | | | | | | | | | | | | | | | | River Bhagiruthee. | | River Jellinghee. | | River Brahmapootra. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mirzapore. | | Benares. | | Buxar. | | Dinapore. | | Monghyr. | | Sahebgunge. | | Rampore Beauleah. | | Goalundo. | | Berhampore. | | Serupgunge. | | Gowhatty. | |
| | Miles. | 86 | | 134 | 48 | 90 | | 177 | 87 | 287 | 110 | 381 | 94 | 471 | 90 | 591 | 120 | | | | | | |
| | Distance. | From Allahabad ... | | From Allahabad ... | From Mirzapore ... | From Benares | | From Benares | From Buxar ... | From Benares | From Dinapore | From Benares | From Monghyr | From Benares | From Sahebgunge ... | From Benares | From Rampore Beauleah ... | | | | | | |
| | | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. |
| 1st | ... | 4·75 | 210·97 | 2·92 | 199·72 | 5·25 | 174·30 | 10·40 | 144·63 | 2·08 | 163·93 | 3·25 | 71·25 | 3·06 | 45·06 | 4·42 | 13·39 | 4·31 | 38·07 | 5·00 | 9·30 | 0·10 | 148·86 |
| 2nd | ... | 4·67 | 210·89 | 2·92 | 199·72 | 5·17 | 174·22 | 10·40 | 144·63 | 2·00 | 163·85 | 3·17 | 71·17 | 2·96 | 44·96 | 4·33 | 13·27 | 4·25 | 37·99 | 5·29 | 9·59 | 0·00 below zero | 148·76 |
| 3rd | ... | 4·67 | 210·89 | 2·92 | 199·72 | 5·08 | 174·13 | 10·30 | 144·53 | 1·87 | 163·72 | 3·08 | 71·08 | 2·85 | 44·85 | 4·33 | 13·27 | 4·21 | 37·95 | 5·50 | 9·80 | 0·10 | 148·66 |
| 4th | ... | 4·50 | 210·72 | 2·92 | 199·72 | 5·00 | 174·05 | 10·30 | 144·53 | 1·79 | 163·64 | 3·00 | 71·00 | 2·77 | 44·77 | 4·25 | 13·19 | 4·17 | 37·91 | 5·75 | 10·05 | 0·16 | 148·66 |
| 5th | ... | 4·50 | 210·72 | 2·87 | 199·67 | 4·92 | 173·97 | 10·20 | 144·43 | 1·67 | 163·52 | 2·92 | 70·92 | 2·67 | 44·67 | 4·25 | 13·19 | 4·12 | 37·86 | 6·08 | 10·38 | 0·10 | 148·66 |
| 6th | ... | 4·50 | 210·72 | 2·87 | 199·67 | 4·83 | 173·88 | 10·15 | 144·38 | 1·58 | 163·43 | 2·83 | 70·83 | 2·58 | 44·58 | 4·25 | 13·19 | 4·04 | 37·78 | 5·25 | 9·55 | 0·10 | 148·66 |
| 7th | ... | 4·42 | 210·64 | 2·85 | 199·65 | 4·83 | 173·88 | 10·10 | 144·33 | 1·54 | 163·39 | 2·75 | 70·75 | 2·50 | 44·50 | 4·25 | 13·19 | 4·09 | 37·74 | 5·25 | 9·55 | 0·20 | 148·56 |
| 8th | ... | 4·33 | 210·55 | 2·83 | 199·63 | 4·75 | 173·80 | 10·05 | 144·28 | 1·46 | 163·31 | 2·67 | 70·67 | 2·46 | 44·46 | 4·08 | 13·02 | 3·92 | 37·66 | 4·83 | 8·89 | 0·30 | 148·46 |
| 9th | ... | 4·25 | 210·47 | 2·81 | 199·61 | 4·67 | 173·72 | 9·85 | 144·08 | 1·42 | 163·27 | 2·58 | 70·58 | 2·37 | 44·37 | 3·92 | 12·86 | 3·83 | 37·57 | 4·50 | 8·89 | 0·30 | 148·46 |
| 10th | ... | 4·17 | 210·39 | 2·79 | 199·59 | 4·58 | 173·63 | 9·80 | 144·03 | 1·33 | 163·18 | 2·50 | 70·50 | 2·29 | 44·29 | 3·75 | 12·69 | 3·75 | 37·49 | 4·12 | 8·42 | 0·35 | 148·41 |
| 11th | ... | 4·08 | 210·30 | 2·75 | 199·55 | 4·58 | 173·63 | 9·75 | 143·98 | 1·33 | 163·18 | 2·42 | 70·42 | 2·25 | 44·25 | 3·50 | 12·44 | 3·71 | 37·45 | 4·00 | 8·30 | 0·35 | 148·41 |
| 12th | ... | 4·08 | 210·30 | 2·75 | 199·55 | 4·50 | 173·55 | 9·70 | 143·93 | 1·25 | 163·10 | 2·31 | 70·33 | 2·19 | 44·19 | 3·25 | 12·19 | 3·67 | 37·41 | 3·83 | 8·13 | 0·50 | 148·26 |
| 13th | ... | 4·00 | 210·22 | 2·73 | 199·53 | 4·50 | 173·55 | 9·65 | 143·88 | 1·17 | 163·02 | 2·17 | 70·17 | 2·12 | 44·12 | 3·08 | 12·02 | 3·22 | 37·36 | 3·67 | 7·97 | 0·90 | 147·86 |
| 14th | ... | 4·00 | 210·22 | 2·67 | 199·47 | 4·42 | 173·47 | 9·60 | 143·83 | 1·00 | 162·85 | 2·08 | 70·08 | 2·06 | 44·06 | 3·00 | 11·94 | 3·54 | 37·28 | 3·83 | 8·13 | 1·10 | 147·66 |
| 15th | ... | 3·83 | 210·05 | 2·62 | 199·42 | 4·33 | 173·38 | 9·55 | 143·78 | 0·83 | 162·68 | 2·00 | 70·00 | 2·00 | 44·00 | 3·00 | 11·94 | 3·50 | 37·24 | 3·83 | 8·13 | 1·20 | 147·56 |
| 16th | ... | 3·75 | 209·97 | 2·50 | 199·30 | 4·33 | 173·38 | 9·40 | 143·63 | 0·75 | 162·60 | 1·92 | 69·92 | 1·92 | 43·92 | 2·92 | 11·86 | 3·42 | 37·16 | 4·04 | 8·38 | 1·40 | 147·36 |
| 17th | ... | 3·75 | 209·97 | 2·42 | 199·24 | 4·25 | 173·30 | 9·35 | 143·58 | 0·62 | 162·47 | 1·83 | 69·83 | 1·83 | 43·83 | 2·92 | 11·86 | 3·29 | 37·01 | 4·08 | 8·38 | 1·50 | 147·26 |
| 18th | ... | 3·67 | 209·89 | 2·37 | 199·17 | 4·25 | 173·30 | 9·30 | 143·53 | 0·54 | 162·39 | 1·83 | 69·83 | 1·75 | 43·75 | 2·92 | 11·86 | 3·23 | 34·99 | 4·08 | 8·38 | 1·60 | 147·16 |
| 19th | ... | 3·50 | 209·72 | 2·33 | 199·13 | 4·17 | 173·22 | 9·25 | 143·48 | 0·50 | 162·35 | 1·75 | 69·75 | 1·69 | 43·69 | 2·83 | 11·77 | 3·21 | 36·95 | 4·0 | 8·42 | 1·70 | 147·06 |
| 20th | ... | 3·42 | 209·64 | 2·29 | 199·09 | 4·17 | 173·22 | 9·20 | 143·43 | 0·42 | 162·27 | 1·67 | 69·67 | 1·62 | 43·62 | 2·83 | 11·77 | 3·12 | 36·86 | 4·12 | 8·42 | 1·80 | 146·96 |
| 21st | ... | 3·33 | 209·55 | 2·25 | 199·05 | 4·08 | 173·13 | 9·20 | 143·43 | 0·33 | 162·18 | 1·58 | 69·58 | 1·54 | 43·54 | 2·75 | 11·69 | 3·08 | 36·82 | 3·67 | 7·97 | 1·80 | 146·86 |
| 22nd | ... | 3·17 | 209·39 | 2·21 | 199·01 | 4·08 | 173·13 | 9·15 | 143·38 | 0·25 | 162·10 | 1·50 | 69·50 | 1·48 | 43·48 | 2·75 | 11·69 | 3·04 | 36·78 | 4·12 | 8·42 | 1·95 | 146·81 |
| 23rd | ... | 3·03 | 209·30 | 2·12 | 198·92 | 4·00 | 173·05 | 9·10 | 143·33 | 0·17 | 162·02 | 1·42 | 69·42 | 1·44 | 43·44 | 2·75 | 11·69 | 3·00 | 36·74 | 4·00 | 8·30 | 2·00 | 146·76 |
| 24th | ... | 3·08 | 209·30 | 2·00 | 198·80 | 3·92 | 172·97 | 9·10 | 143·33 | 0·12 | 161·97 | 1·33 | 69·33 | 1·37 | 43·37 | 2·75 | 11·69 | 2·92 | 36·66 | 3·83 | 7·80 | 2·15 | 146·61 |
| 25th | ... | 3·08 | 209·30 | 1·96 | 198·76 | 3·92 | 172·97 | 9·00 | 143·23 | 0·08 | 161·93 | 1·25 | 69·25 | 1·23 | 43·23 | 2·67 | 11·61 | 2·87 | 36·61 | 3·50 | 7·80 | 2·25 | 146·51 |
| 26th | ... | 3·08 | 209·30 | 1·92 | 198·72 | 3·83 | 172·88 | 9·00 | 143·23 | 0·04 below zero | 161·89 | 1·17 | 69·17 | 1·12 | 43·12 | 2·58 | 11·52 | 2·83 | 36·57 | 3·33 | 7·63 | 2·25 | 146·51 |
| 27th | ... | 3·00 | 209·22 | 1·83 | 198·63 | 3·75 | 172·80 | 8·90 | 143·13 | 0·04 | 161·81 | 1·08 | 69·08 | 1·08 | 43·08 | 2·50 | 11·44 | 2·70 | 36·55 | 3·17 | 7·47 | 2·30 | 146·46 |
| 28th | ... | 3·00 | 209·22 | 1·75 | 198·55 | 3·67 | 172·72 | 8·85 | 143·08 | 0·12 | 161·73 | 1·00 | 69·00 | 1·04 | 43·04 | 2·33 | 11·27 | 2·75 | 36·49 | 3·17 | 7·47 | 2·38 | 146·38 |
| 29th | ... | 3·00 | 209·22 | 1·67 | 198·47 | 3·58 | 172·63 | 8·85 | 143·08 | 0·17 | 161·68 | 0·92 | 68·92 | 1·00 | 43·00 | 2·25 | 11·19 | 2·71 | 36·45 | 3·42 | 7·72 | 2·45 | 146·31 |
| 30th | ... | 3·03 | 209·22 | 1·58 | 198·38 | 3·58 | 172·63 | 8·80 | 143·03 | 0·25 | 161·69 | 0·83 | 68·83 | 0·94 | 42·94 | 2·25 | 11·19 | 2·67 | 36·41 | 3·58 | 7·88 | 2·47 | 146·29 |
| 31st | ... | 2·92 | 209·14 | 1·54 | 198·34 | 3·50 | 172·55 | 8·75 | 142·98 | 0·42 | 161·43 | 0·75 | 68·75 | 0·89 | 42·89 | 2·17 | 11·11 | 26·2 | 36·36 | 3·92 | 8·22 | 2·58 | 146·18 |

The 15th January 1889.

G. A. G. SHAWE,
*Under-Secretary to the Govt. of Bengal.*

## CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 12th January* 1889, *as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 12th January 1889. | | | Week ending Saturday, the 14th January 1888. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... ... | 1,745 | 4,01,590 | 7,290 | 2,098 | 4,09,450 | 7,247 |
| Jute ... ... | 199 | 1,25,225 | 2,252 | 153 | 1,17,900 | 1,964 |
| Firewood ... ... | 147 | 81,425 | 1,207 | 137 | 73,275 | 1,232 |
| Other articles ... ... | 1,200 | 2,22,620 | 3,398 | 1,009 | 2,24,942 | 3,295 |
| Total ... | 3,291 | 8,30,860 | 14,147 | 3,397 | 8,25,567 | 13,738 |

## Eastern Bengal State Railway.

*Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of October* 1888 *as compared with the same month of the previous year.*

| STAPLES. | 1888. | | 1887. | | TOTAL. | | Increase. | Decrease. |
|---|---|---|---|---|---|---|---|---|
| | Up. | Down. | Up. | Down. | 1888. | 1887. | | |
| | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. |
| Coal | 8,310 | 2,100 | 4,554 | 2,846 | 10,410 | 7,400 | 3,010 | ..... |
| Cotton, raw | 41 | 98 | 10 | 12 | 139 | 22 | 117 | ..... |
| Cotton twist and yarn— | | | | | | | | |
| 1.—European— | | | | | | | | |
| 2.—Indian | | | | | | | | |
| Cotton piece-goods— | | | | | | | | |
| 1.—European— | 2,822 | 207 | 2,479 | 200 | 5,029 | 2,679 | 350 | ..... |
| a.—In bales and bundles | | | | | | | | |
| b.—In boxes | | | | | | | | |
| 2.—Indian— | | | | | | | | |
| a.—in bales and bundles | | | | | | | | |
| b.—in boxes | | | | | | | | |
| Grains— | 1,868 | 6,690 | 2,289 | 1,373 | 8,558 | 3,662 | 4,896 | ..... |
| 2.—Rice | 1,610 | 4,555 | 783 | 3,535 | 6,165 | 4,318 | 1,847 | ..... |
| 5.—Others | | | | | | | | |
| Hides and skins— | | | | | | | | |
| 1.—Hides of cattle— | | | | | | | | |
| a.—Dressed | 10 | 869 | 13 | 603 | 879 | 616 | 263 | ..... |
| b.—Undressed | | | | | | | | |
| 2.—Skins of sheep, &c.— | | | | | | | | |
| a.—Dressed | | | | | | | | |
| b.—Undressed | | | | | | | | |
| Jute— | | | | | | | | |
| 1.—Raw— | 1 | 9,670 | ..... | 5,022 | 9,671 | 5,022 | 4,649 | ..... |
| a.—Screwed | 58 | 71,361 | 10 | 40,831 | 71,419 | 40,841 | 30,578 | ..... |
| b.—Unscrewed | 149 | 1,724 | 59 | 1,543 | 1,873 | 1,602 | 271 | ..... |
| 2.—Gunny bags and cloth | | | | | | | | |
| Metals— | | | | | | | | |
| 1.—Copper, unwrought | | | | | | | | |
| 2.—Brass, unwrought | | | | | | | | |
| 3.—Brass and copper, wrought | 890 | 95 | 1,040 | 88 | 985 | 1,128 | ..... | 143 |
| 4.—Iron | | | | | | | | |
| 5.—Tin | | | | | | | | |
| 6.—Others | | | | | | | | |
| Oils— | 410 | 11 | 265 | 5 | 421 | 270 | 151 | ..... |
| 2.—Kerosine | 155 | 34 | 134 | 13 | 189 | 147 | 42 | ..... |
| 3.—Others | | | | | | | | |
| Oil-seeds— | | | | | | | | |
| 1.—Linseed | | | | | | | | |
| 2.—Rape and mustard | | | | | | | | |
| 3.—Til or gingelly | 175 | 1,708 | 201 | 437 | 1,883 | 638 | 1,245 | ..... |
| 4.—Niger | | | | | | | | |
| 5.—Castor | | | | | | | | |
| 6.—Poppy | | | | | | | | |
| 7.—Others | | | | | | | | |
| Provisions— | 121 | 427 | 57 | 367 | 548 | 424 | 124 | ..... |
| 2.—Betel-nuts | 481 | 292 | 286 | 147 | 773 | 433 | 340 | ..... |
| 3.—Others | 2,424 | 815 | 1,844 | 872 | 3,239 | 2,716 | 523 | ..... |
| Railway plant and rolling-stock | 3,289 | 29 | 2,420 | 8 | 3,318 | 2,428 | 890 | ..... |
| Salt | | | | | | | | |
| Sugar— | 663 | 318 | 458 | 249 | 981 | 707 | 274 | ..... |
| 1.—Drained | | | | | | | | |
| 2.—Undrained | | | | | | | | |
| Tea— | 18 | 1,748 | ..... | 1,789 | 1,766 | 1,789 | ..... | 23 |
| 1.—Foreign | | | | | | | | |
| 2.—Indian | | | | | | | | |
| Wood— | 141 | 128 | 129 | 143 | 269 | 272 | ..... | 3 |
| 1.—Timber | 1,814 | ..... | 1,339 | 18 | 1,814 | 1,357 | 457 | ..... |
| 2.—Firewood | 66 | 1,249 | 77 | 866 | 1,315 | 943 | 372 | ..... |
| Tobacco | | | | | | | | |
| All other articles of merchandise— | 2,498 | 1,465 | 1,776 | 1,497 | 3,963 | 3,273 | 690 | ..... |
| 1.—Unmanufactured | | | | | | | | |
| 2.—Manufactured | 606 | ..... | 318 | ..... | 606 | 318 | 288 | ..... |
| Hay, straw, and wooloo (C. & S.-E. Sections) | | | | | | | | |
| Total | 28,629 | 1,05,593 | 20,541 | 62,464 | 134,213 | 83,005 | 51,377 | 169 |

*Comparative Statement of the principal commodities carried over the Eastern Bengal State Railway during the month of October* 1888.

INCREASES.

| | Tons. |
|---|---|
| Coal | 3,010 |
| For Railway and Steamer purposes. Includes coal for Kidderpore docks. | |
| Cotton piece-goods | 350 |
| Poojah traffic. | |
| Grains (Rice) | 4,896 |
| From Kumar Khali and Goalundo principally, also from the Northern Section. The Southern Section shews a falling off. | |
| Jute | 35,227 |
| A good outturn and advance in rates. | |
| Oil-seeds | 1,245 |
| Continued improvement in the London market. | |
| Railway plant, &c. | 523 |
| For repairs and renewals. | |
| Salt | 890 |
| Increased despatches from Chitpore to Dacca and other hide-curing station up-country. | |
| Firewood | 457 |
| The Southern Section contributed this increase. | |
| Tobacco | 372 |
| From the Northern Section notwithstanding very serious decreases from Rungpore and Kaunia. | |

DECREASES.

The decreases during the month are very insignificant, aggregating only 169 tons.

*Calcutta, the* 10*th January* 1889.

F. P. QUINLAN, *Examiner of Accounts.*

## Bengal Central Railway.

*Abstract of principal commodities carried over the Bengal Central Railway during the month of October* 1888, *as compared with the same month of the previous year.*

| Staples. | 1888. | | 1887. | | Total. | | Increase. | Decrease. |
|---|---|---|---|---|---|---|---|---|
| | Up. | Down. | Up. | Down. | 1888. | 1887. | | |
| | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. |
| Coal | 968 | ..... | 351 | ..... | 968 | 351 | 617 | ..... |
| Cotton, raw | 2 | ..... | 1 | 2 | 2 | 3 | ..... | 1 |
| Cotton twist and yarn— | | | | | | | | |
| 1.—European | | | | | | | | |
| 2.—Indian | | | | | | | | |
| Cotton piece-goods— | | | | | | | | |
| 1.—European— | | | | | | | | |
| *a.*—In bales and bundles | 270 | ..... | 131 | ..... | 270 | 131 | 139 | ..... |
| *b.*—In boxes | | | | | | | | |
| 2.—Indian— | | | | | | | | |
| *a.*—In bales and bundles | | | | | | | | |
| *b.*—In boxes | | | | | | | | |
| Grains— | | | | | | | | |
| 2.—Rice | 6 | 314 | 6 | 204 | 320 | 210 | 110 | ..... |
| 5.—Others | 59 | 139 | 97 | 65 | 198 | 102 | 36 | ..... |
| Hides and skins— | | | | | | | | |
| 1.—Hides of cattle— | | | | | | | | |
| *a.*—Dressed | | | | | | | | |
| *b.*—Undressed | | | | | | | | |
| 2.—Skins of sheep, &c.— | | | | | | | | |
| *a.*—Dressed | ..... | 28 | ..... | 33 | 28 | 33 | ..... | 5 |
| *b.*—Undressed | | | | | | | | |
| Jute— | | | | | | | | |
| 1.—Raw— | | | | | | | | |
| *a.* Screwed | ..... | 26 | ..... | ..... | 26 | ..... | 26 | ..... |
| *b.*—Unscrewed | ..... | 12,021 | 16 | 4,248 | 12,021 | 4,264 | 7,757 | ..... |
| 2.—Gunny bags and cloth | 3 | ..... | 1 | 7 | 3 | 8 | ..... | 5 |
| Metals— | | | | | | | | |
| 1.—Copper, unwrought | | | | | | | | |
| 2.—Brass, unwrought | | | | | | | | |
| 3.—Brass and copper, wrought | | | | | | | | |
| 4.—Iron | 54 | 24 | 44 | 10 | 78 | 54 | 24 | ..... |
| 5.—Tin | | | | | | | | |
| 6.—Others | | | | | | | | |
| Oils— | | | | | | | | |
| 2.—Kerosine | 96 | ..... | 48 | ..... | 96 | 48 | 48 | ..... |
| 3.—Others | 51 | ..... | 38 | ..... | 51 | 38 | 13 | ..... |
| Oilseeds— | | | | | | | | |
| 1.—Linseed | | | | | | | | |
| 2.—Rape and mustard | | | | | | | | |
| 3.—Til or gingelly | | | | | | | | |
| 4.—Niger | 91 | 97 | 55 | 28 | 188 | 83 | 105 | ..... |
| 5.—Castor | | | | | | | | |
| 6.—Poppy | | | | | | | | |
| 7.—Others | | | | | | | | |
| Provisions— | | | | | | | | |
| 2.—Betel-nuts | 3 | | | | | | | |
| 3.—Others | 40 | 386 | 5 | 336 | 389 | 341 | 48 | ..... |
| Railway plant and rolling-stock | 94 | 24 | 32 | 31 | 64 | 63 | 1 | ..... |
| Salt | 228 | 57 | 6 | 39 | 151 | 45 | 106 | ..... |
| Sugar— | | ..... | 126 | ..... | 228 | 126 | 102 | ..... |
| 1.—Drained | 16 | 295 | 30 | 226 | 317 | 266 | 45 | ..... |
| 2.—Undrained | | | | | | | | |
| Wood— | | | | | | | | |
| 1.—Timber | 24 | 25 | 26 | 17 | 49 | 43 | 6 | ..... |
| 2.—Firewood | | | | | | | | |
| Tobacco | 28 | 22 | 21 | 42 | 50 | 63 | ..... | 13 |
| All other articles of merchandise— | | | | | | | | |
| 1.—Unmanufactured | 300 | 298 | 489 | 118 | 598 | 607 | ..... | 9 |
| 2.—Manufactured | | | | | | | | |
| Total | 2,333 | 13,756 | 1,523 | 5,416 | 16,089 | 6,939 | 9,183 | 33 |

*Comparative Statement of the principal commodities carried over the Bengal Central Railway during the month of October* 1888.

INCREASES.

| | Tons. |
|---|---|
| Coal | |
| For railway and Bengal Central Flotilla principally. | 617 |
| Cotton piece-goods | |
| Poojah traffic. | 139 |
| Rice | |
| Increase due to a favourable market in Calcutta. | 110 |
| Jute | |
| Every jute-despatching station on the Bengal Central Railway shows a substantial increase in despatches, notably K. L. with 1,29,313 maunds and Singhia with 17,799 maunds. It is said that insurances are being effected by a company in Calcutta on country-boat traffic. | 7,757 |
| Oilseeds | |
| Improvement in the London market. | 105 |
| Railway plant, &c. | |
| Due to transfer of Engineering workshop from Khulna to Bongong. | 106 |
| Salt | |
| Increased despatches from Chitpore succeeding the recent depression. | 102 |

DECREASES.

The decreases during the month were insignificant, aggregating only 33 tons.

CALCUTTA, *the 5th January* 1889.

F. P. QUINLAN, *Examiner of Accounts.*

# Weekly Return of Traffic Receipts on Indian Railways.

## EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

*Approximate Return of Traffic for the last 9 days of December* 1888, *on* 673 *miles open.*

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated), including steam-boat. | Total earnings. | TRAFFIC TRAIN-MILES RUN | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 163,410 | 84,830 0 0 | 7,02,258 0 | 1,95,080 0 0 | 28,760 0 0 | 3,08,670 0 0 | 30,272 | 37,406 | 67,678 |
| Or per mile of railway ... ... | 243 | 126 0 0 | 1,043 0 | 290 0 0 | †12 0 0 | 428 0 0 | ..... | ..... | ..... |
| For previous 25 weeks of half-year ... ... ... ... | *3,357,917 | 15,31,260 0 0 | 1,60,52,674 0 | 39,57,102 0 0 | 4,23,322 0 0 | 59,11,684 0 0 | 575,401 | 708,342 | 1,283,743 |
| Total for 26 weeks ... | 3,521,327 | 16,16,090 0 0 | 1,67,54,932 0 | 41,52,182 0 0 | 4,52,082 0 0 | 62,20,354 0 0 | 605,673 | 745,838 | 1,351,421 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 113,131 | 66,999 0 0 | (a) 8,31,648 0 | 1,58,181 0 0 | 26,114 0 0 | 2,51,294 0 0 | 21,872 | 24,694 | 46,566 |
| Per mile of railway corresponding period of previous year ... | 175 | 104 0 0 | 1,289 0 | 245 0 0 | †11 0 0 | 360 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 3,192,988 | 14,90,381 0 0 | 1,58,39,733 0 | 35,89,213 0 0 | 4,23,108 0 0 | 55,02,702 0 0 | 508,703 | 683,202 | 1,191,905 |

* Audited up to week ending 17th November 1888.
† Excluding steamer earnings.
(a) Includes ballast train.

### FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Eastern Bengal State Railway.*

| RECEIPTS FOR WEEK ENDING 31ST DECEMBER 1887. | | | RECEIPTS FOR LAST 9 DAYS OF DECEMBER 1888. | | | TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 31ST DECEMBER 1887. | | | TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 31ST DECEMBER 1888. | | | Total increase in 1888-89. | Total decrease 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs | Rs. | | Rs | Rs. | Rs. | Rs. |
| 645 | 2,51,294 | 390 | 673 | 3,08,670 | 459 | 645 | 73,49,706 | 292 | 673 | *81,65,826 | 311 | 8,16,120 | ... |

* Audited up to week ending 17th November 1888.

## BENGAL CENTRAL RAILWAY.

*Approximate Return of Traffic for last 9 days of December* 1888, *on* 125 *miles open.*

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES R | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | T |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 27,360 | 11,300 0 0 | 60,360 0 | 3,490 0 0 | 450 0 0 | 15,250 0 0 | 4,902 | 2,390 | |
| Or per mile of railway ... | 219 | 90 0 0 | 483 0 | 28 0 0 | 4 0 0 | 122 0 0 | ..... | ..... | |
| For previous 25 weeks of half-year ... ... ... ... | *656,618 | 2,21,085 0 0 | *14,34,805 0 | 1,41,393 0 0 | 2,097 0 0 | *3,64,575 0 0 | 92,825 | 48,982 | |
| Total for 26 weeks ... | 683,978 | 2,32,386 0 0 | 14,95,165 0 | 1,44,883 0 0 | 2,557 0 0 | 3,79,825 0 0 | 97,725 | 51,372 | |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 21,175 | 10,057 0 0 | 50,080 0 | 3,316 0 0 | 794 0 0 | 14,167 0 0 | 3,621 | 1,589 | |
| Per mile of railway corresponding period of previous year ... | 169 | 80 0 0 | 401 0 | 27 0 0 | 6 0 0 | 113 0 0 | ..... | ..... | |
| Total to corresponding date of previous year ... ... ... | 642,753 | 2,17,532 0 0 | 11,51,950 0 | 1,08,503 0 0 | 3,563 0 0 | 3,29,598 0 0 | 86,327 | 53,833 | |

* Audited up to week ending 17th November 1888.

### FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Bengal Central Railway.*

| RECEIPTS FOR WEEK ENDING 31ST DECEMBER 1887. | | | RECEIPTS FOR LAST 9 DAYS OF DECEMBER 1888. | | | TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 31ST DECEMBER 1887. | | | TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 31ST DECEMBER 1888. | | | Total increase in 1888-89. | T dec 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | |
| 125 | 14,167 | 113 | 125 | 15,250 | 122 | 125 | 5,05,584 | 104 | 125 | *5,41,626 | 111 | 36,042 | |

* Audited up to week ending 17th November 1888.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic for last* 9 *days of December* 1888, *on* 86 *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 18,350 | 6,280 0 0 | 19,650 0 | 2,190 0 0 | 480 0 0 | 8,950 0 0 | 3,309 | 681 | 3,990 |
| Per mile of railway ... ... | 213 | 73 0 0 | 228 0 | 25 0 0 | 6 0 0 | 104 0 0 | ..... | ..... | ..... |
| For previous 25 weeks of half-year ... ... ... ... | *350,453 | 1,14,759 0 0 | 4,15,285 0 | 31,052 0 0 | 5,481 0 0 | *1,51,292 0 0 | 64,699 | 14,268 | 78,967 |
| Total for 26 weeks ... | 368,803 | 1,21,039 0 0 | 4,34,935 0 | 33,242 0 0 | 5,961 0 0 | 1,60,242 0 0 | 68,008 | 14,949 | 82,957 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 15,675 | 5,481 0 0 | 31,751 0 | 3,046 0 0 | 153 0 0 | 8,680 0 0 | 2,724 | 380 | 3,104 |
| Per mile of railway corresponding period of previous year ... | 182 | 64 0 0 | 369 0 | 35 0 0 | 2 0 0 | 101 0 0 | ... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 319,315 | 1,55,778 0 0 | 5,42,005 0 | 50,305 0 0 | 4,096 0 0 | 1,60,179 0 0 | 69,880 | 9,930 | 79,810 |

* Audited up to week ending 17th November 1888.

### FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Dacca State Railway.*

| Receipts for week ending 31st December 1887. | | | Receipts for last 9 days of December 1888. | | | Total receipts from 1st April 1887 to 31st December 1887. | | | Total receipts from 1st April 1888 to 31st December 1888. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 86 | 8,680 | 101 | 86 | 8,950 | 104 | 86 | 2,25,938 | 67 | 86 | *2,25,107 | 67 | ..... | 831 |

* Audited up to week ending 17th November 1888.

## ASSAM-BEHAR STATE RAILWAY.

(Purneah Section.)

*Approximate Return of Traffic for last* 9 *days of December* 1888, *on* 38 *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 2,810 | 1,500 0 0 | 35,520 0 | 2,890 0 0 | 60 0 0 | 4,450 0 0 | 684 | 684 | 1,368 |
| Per mile of railway ... ... | 74 | 39 0 0 | 935 0 | 76 0 0 | 2 0 0 | 117 0 0 | ..... | ..... | ..... |
| For previous 25 weeks of half-year ... ... ... ... | *85,059 | 26,014 0 0 | 7,72,236 0 | 60,813 0 0 | 1,423 0 0 | *83,250 0 0 | 13,416 | 13,416 | 26,832 |
| Total for 26 weeks ... | 87,869 | 27,514 0 0 | 8,07,756 0 | 63,703 0 0 | 1,483 0 0 | 92,700 0 0 | 14,100 | 14,100 | 28,200 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 1,916 | 752 0 0 | 17,093 0 | 1,361 0 0 | 16 0 0 | 2,129 0 0 | 546 | 546 | 1,092 |
| Per mile of railway corresponding period of previous year... | 49 | 19 0 0 | 438 0 | 35 0 0 | 1 0 0 | 55 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 74,390 | 26,386 0 0 | 2,39,400 0 | 19,582 0 0 | 988 0 0 | 46,956 0 0 | 14,728 | 14,352 | 29,080 |

Audited up to week ending 17th November 1888.

### FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Assam-Behar State Railway.*

| Receipts for week ending 31st December 1887. | | | Receipts for last 9 days of December 1888. | | | Total receipts from 1st April 1887 to 31st December 1887. | | | Total receipts from 1st April 1888 to 31st December 1888. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 39 | 2,129 | 55 | 38 | 4,450 | 117 | 39 | 87,033 | 57 | 38 | *1,31,787 | 9 | 44,75 | ..... |

* Audited up to week ending 17th November 1888.

## NALHATI STATE RAILWAY.

*Approximate Return of Traffic for the last 9 days of December 1888, on 27¼ miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 9 days ... ... | 3,466 | 1,273 0 0 | 18,116 0 | 1,053 0 0 | 15 0 0 | 2,341 0 0 | 635 | 326 | 961 |
| Or per mile of railway ... | 127 | 47 0 0 | 665 0 | 38 0 0 | 1 0 0 | 86 0 0 | ..... | ..... | ..... |
| For previous 25 weeks of half-year ... ... ... ... ... | 75,588 | 27,024 0 0 | 2,89,462 0 | 17,088 0 0 | 2,018 0 0 | 46,130 0 0 | 12,725 | 9,852 | 22,577 |
| Total for the half-year ... | 79,054 | 28,297 0 0 | 3,07,578 0 | 18,141 0 0 | 2,033 0 0 | 48,471 0 0 | 13,360 | 10,178 | 23,538 |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 2,755 | 1,015 0 0 | 15,931 0 | 544 0 0 | 10 0 0 | 1,569 0 0 | 509 | 425 | 934 |
| Per mile of railway corresponding week of previous year ... | 101 | 37 0 0 | 577 0 | 20 0 0 | ..... | 57 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 79,229 | 28,017 0 0 | 2,51,004 0 | 14,319 0 0 | 461 0 0 | 42,797 0 0 | 12,705 | 9,027 | 21,732 |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Nalhati State Railway.*

| Receipts for week ending 31st December 1887. | | | Receipts for the last 9 days of December 1888. | | | Total receipts from 1st April 1887 to 31st December 1887. | | | Total receipts from 1st April 1888 to 31st December 1888. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Ps. | Rs. | Rs. |
| 27¼ | 1,569 | 57 | 27¼ | 2,341 | 86 | 27¼ | 66,093* | 62 | 27¼ | 74,899 | 70 | 8,806 | ..... |

* Includes figures for Supplementary adjustment.

## TIRHOOT STATE RAILWAY.

*Approximate Return of Traffic for the last 9 days of December 1888, on 273 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 9 days on 273 miles open ... ... ... | 44,202 | 16,681 0 0 | 1,38,004 0 | 13,419 0 0 | 3,250 0 0 | 33,350 0 0 | 5,879 | 6,620 | 12,499 |
| Or per mile of railway ... | 162 | 61 0 0 | 505 0 | 49 0 0 | 3 0 0 | 113 0 0 | ..... | ..... | ..... |
| For previous 25 weeks of half-year ... ... ... | 958,004 | 3,25,254 0 0 | 32,50,530 0 | 2,85,610 0 0 | 69,798 0 0 | 6,80,662 0 0 | 129,783 | 127,760 | 257,543 |
| Total for the half-year ... | 1,002,206 | 3,41,935 0 0 | 33,88,534 0 | 2,99,029 0 0 | 73,048 0 0 | 7,14,012 0 0 | 135,662 | 134,380 | 270,042 |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year on 259 miles open | 33,904 | 12,779 0 0 | 1,84,790 0 | 18,775 0 0 | 2,951 0 0 | 34,505 0 0 | 5,833 | 6,705 | 12,538 |
| Per mile of railway corresponding week of previous year ... | 131 | 49 0 0 | 713 0 | 73 0 0 | 1 0 0 | 133 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 1 046,174 | 3,87,296 0 0 | 35.44,347 0 | 3.37,970 0 0 | 90,714 0 0 | 8,15,890 0 0 | 164,179 | 133,041 | 297,220 |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Tirhoot State Railway.*

| Receipts for week ending 31st December 1887. | | | Receipts for the last 9 days of December 1888. | | | Total receipts from 1st April 1887 to 31st December 1887. | | | Total receipts from 1st April 1888 to 31st December 1888. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 259 | 34,505 | 133 | 273 | 33,350 | 122 | 259·45 | 12,71,222(a) | 130 | 261·70 | 12,11,652 | 119 | ..... | 59,570 |

a Includes figures for supplementary adjustment.

Printed and published by Edwin Morris Lewis, at the Printing Office of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, 16th January 1889.

REGISTERED No. 20.

No. 4 of 1889.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, JANUARY 23, 1889.

## OFFICIAL PAPERS.

*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

CONTENTS.


| | Page. | | Page. |
|---|---|---|---|
| WITHDRAWAL of the Indian Emigration Act from the Districts of Chittagong and the Chittagong Hill Tracts ... | 157 | RESULTS of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 13th to 19th January 1889 ... ... ... ... ... ... | 174 |
| Rainfall, Weather, and State and Prospects of the Crops ... | 160 | Results of the Meteorological Observations taken at the Alipore Observatory from 13th to 19th January 1889 | 175 |
| Prices-current (*retail*) of Food-grains, Firewood and Salt in the Head-quarter Station Bazars of the districts of Bengal on the 15th January 1889 ... ... ... ... | 162 | Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 5th January 1889 ... ... | 176 |
| Meteorological Report of the Province of Bengal for the week ending Friday the 18th of January 1889 ... | 168 | Circular and Eastern Canals for the week ending 19th January 1889 ... ... ... ... ... ... | 179 |
| Statement of Rainfall in Bengal for the week ending Friday (9 p.m.), the 18th of January 1889 ... ... ... | 170 | Weekly Return of Traffic Receipts on Indian Railways ... | 180 |


## WITHDRAWAL OF THE INLAND EMIGRATION ACT FROM THE DISTRICTS OF CHITTAGONG AND THE CHITTAGONG HILL TRACTS.

GENERAL DEPARTMENT—INLAND EMIGRATION.

*Calcutta, the 8th January* 1889.

RESOLUTION.

READ—

The following correspondence on the subject of the proposed withdrawal of the districts of Chittagong and the Chittagong Hill Tracts from the operation of the Inland Emigration Act No. I of 1882 :—

Letter from the Commissioner of the Chittagong Division, No. 767GM—IX-5, dated 13th August 1888.

Letter to the Superintendent and Remembrancer of Legal Affairs, No. 95T—G, dated 18th October 1888.

Letter from the Superintendent and Remembrancer of Legal Affairs, dated 31st October 1888.

Letter from the Superintendent and Remembrancer of Legal Affairs, No. 1098, dated 9th November 1888.

Letter to the Government of India, Revenue and Agricultural Department, No. 186, dated 3rd December 1888.

Letter from the Government of India, Revenue and Agricultural Department, No. 234—26-24E., dated 21st December 1888.

The special procedure provided by Act I of 1882 for enforcing labour contracts in certain specified areas is in force, as far as the Lower Provinces are concerned, only in the districts of Chittagong and the Chittagong Hill Tracts. The Commissioner of Chittagong has frequently urged their withdrawal as not required in his division; and in reviewing the departmental report for the year 1885, Sir Rivers Thompson so far accepted this view as to express a hope that the time was approaching when, considering the falling off in the number of labourers enrolled under the Act, it would be possible to adopt the course recommended. As the results of the following year showed a further decline, Sir Steuart Bayley called for a special report on the subject, which the Commissioner has since submitted. In this communication it is stated that such planters as had been consulted are unanimous in considering that the Act is not required, the ordinary law being sufficient to guard the interests both of employers and employed. This is the view of the District Officers also, and the Commissioner gives his own opinion as follows:—

"It is not adapted to a district where labour is as plentiful as it is here, and where there is, now at least, no objection to taking work on a garden. So far as I have seen, the Act here is entirely against the interests of the cooly, and of the better class of planters, while it is favourable to the worst class of planters only. Happily this last class is so small that it may be said to be non-existent. I strongly recommend, therefore, that under the provisions of section 4, the Inland Emigration Act be withdrawn entirely from the districts of Chittagong and the Chittagong Hill Tracts."

2. In deciding whether the recommendation thus forcibly expressed by the local officers should be accepted, the Lieutenant-Governor has to give due weight to the consideration that the Government of India has repeatedly indicated for adoption the policy of dispensing with special legislation on the subject of labour contracts wherever it is possible to do so, leaving the matter to the operation of the ordinary law of the country. "Such legislation," the Secretary of State observed in a despatch No. 102, dated 4th November 1886, "should be considered as temporary only, and clearly ought not to be maintained longer than is absolutely necessary for the protection of both the classes concerned." Viewed from this standpoint, it seems clear that the retention of the system in the two districts referred to scarcely admits of defence. In the Hill Tracts the Act cannot be said to be necessary, as it is not now resorted to even in the case of a single labourer. In Chittagong the number of labourers placed under contract according to the provisions of the Act was never large, and has rapidly decreased in recent years: it was 915 in 1884 and had fallen to 433 in 1887, with the prospect of a further decrease in the immediate future. There is nothing in the condition of the tea industry in Chittagong to suggest that it should be placed under an exceptional system, different from that prevailing in the rest of the province, and particularly in the districts of Darjeeling and Julpigoree, which are now the chief seats of the cultivation of the tea plant. Chittagong is more densely populated than other tea districts in Bengal, local labour is more generally used, and the importation of coolies is resorted to only on a very minute scale. The maintenance of the statutory contract system cannot, therefore, be looked upon as really a necessity in that district, and there is even reason to believe that, so far as it has any effect at all, it is rather a hindrance than an aid to the progress of tea cultivation. It certainly has not effected the object which the late Commissioner of Chittagong had in view when recommending its introduction in the year 1877—that of modifying the system of task work in the interest of the labourer.

3. The Inland Emigration Act leaves to the Local Government, with the previous consent of the Government of India, the power of altering from time to time the area within which the law is in force. The Lieutenant-Governor considers that this power should now be exercised, and accordingly issues the appended notification with the approval of the Governor-General in Council. The Superintendent and Remembrancer of Legal Affairs to Government has advised that this measure will not affect existing contracts otherwise than by putting an end to the exceptional procedure by which they are at present enforced, leaving them in operation as ordinary engagements within the cognizance of the civil courts.

ORDER—Ordered that a copy of this Resolution and of the notification be forwarded to the Commissioner of the Chittagong Division, with reference to the correspondence ending with his letter No. $\frac{7676 \text{ G.M.}}{\text{IX-5}}$, dated 13th August 1888, for information, and for favour of communication to the Inspectors of Labourers and Managers of tea-gardens.

Ordered also, that a copy of the Resolution and of the notification be forwarded to the Superintendent of Emigration, Calcutta, for information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,
*Secretary to the Government of Bengal.*

---

Dated Calcutta, the 8th January 1889.

NOTIFICATION—By the Government of Bengal, General Department.

UNDER section 4 of the Inland Emigration Act I of 1882, the Lieutenant-Governor of Bengal, with the previous sanction of the Governor-General in Council, is pleased to declare that, on and from the 1st April 1889, the labour-districts of Chittagong and the Chittagong Hill Tracts shall cease to be subject to the provisions of the said Act by which they are declared to be labour-districts, and to all the provisions of the Act applicable only to labour-districts.

## Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 19th January 1889.*

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---|---|---|---|
| BENGAL. | | | |
| | *Western Districts.* | | |
| Burdwan Div'n. 1 | Burdwan Jan. 19, '89 | Nil | Weather—rather warm for the season. Prospects of sugarcane, potato and *rubbi* crops generally good. Price of rice stationary. |
| | Raneegunge ... | 0·18 | |
| 2 | Bankoora ,, 19, '89 | Nil | Weather—hot for the season. *Rubbi* coming up well. Mustard is being gathered. Prices continue stationary. |
| 3 | Birbhum ,, 19, '89 | 0·32 | Weather—rather warm for the season. Prospects of *rubbi* crops good. |
| 4 | Midnapur ,, 19, '89 | Nil | Weather—unseasonably warm. Rain wanted for *rubbi* crops. |
| 5 | Hugli ,, 19, '89 | Nil | Weather—hot and cloudless. Crops doing well. |
| | Howrah ,, 21, '89 | Nil | Weather—a little cooler than last week. State and prospects of crops fair. |
| | *Central Districts.* | | |
| Presidency Div'n. 6 | 24-Perghs. Jan. 22, '89 | Nil | Weather—warm and bright; latter part of the week rather cooler. Harvesting of *amun* all but over. Prospects of winter crops not good owing to want of rain. Manufacture of sugar progressing. |
| 7 | Nuddea ,, 19, '89 | Nil | Weather—hot and close for the time of year. *Rubbi* crops as yet promising, but rain is urgently wanted in most parts of the district. |
| 8 | Khoolna ,, 19, '89 | Nil | Weather—foggy and hot. *Amun* harvesting is nearly over; outturn expected to be 10 annas. Cold-weather crops fair. |
| 9 | Jessore ,, 19, '89 | Nil | Weather—unseasonably warm. *Rubbi* crops doing well, but they want rain badly. |
| 10 | Moorshedabad ,, 19, '89 | 0·24 | Weather—rather hot for the season. Both *haimanti* rice and *kalai* are still being harvested. *Rubbi* crops are promising. |
| | Lalbagh ... | 0·08 | |
| | Jangipur ... | 0·82 | |
| Rajshahye Div'n. 11 | Dinagepur ,, 19, '89 | 0·06 | Weather—getting warm. The average outturn of winter rice for the district is estimated at 9 annas. Sugarcane is being cut; outturn expected to be 14 annas. Prospect of *rubbi* fair. Coarse rice selling at 18 seers per rupee. |
| 12 | Rajshahye ,, 19, '89 | 0·38 | Weather—warm. Rain has done much good. Price of rice has fallen. It is now 16½ pucka seers per rupee at the Sudder station. In Manda it sells at 18½ seers per rupee. |
| | Nattore ... | 1·03 | |
| | Nowgong ... | 0·41 | |
| 13 | Rungpur ,, 19, '89 | 0·22 | Weather—seasonable. Harvesting of *amun* completed with an average outturn of 8 annas. *Rubbi* crops coming up well. Prices of food-grains steady. |
| 14 | Bogra ,, 19, '89 | 0·38 | Weather—calm and a little warm. Seven slight shocks of earthquake during the week. Reaping and storing of winter paddy continue. Sugarcane and *rubbi* crops growing well. Price of rice increasing slightly. |
| | Sherpore ... | 0·61 | |
| | Nowatilla ... | 0·15 | |
| 15 | Pubna ,, 19, '89 | Nil | Weather—rather hot for the season. *Rubbi* crops suffering for want of rain. Sugarcane fair. |
| | Serajgunge ... | 1·70 | |
| 16 | Darjeeling ,, 19, '89 | Nil | Weather—still unusually dry and clear. *Aghani dhan* has almost all been reaped in Silliguri sub-division. Crops generally doing well. |
| 17 | Julpigoree ,, 19, '89 | Nil | Weather—cool and seasonable. Reaping of *haimanti* rice nearly over; average yield for the district will be about 10 annas. Standing crops doing well. Prices have slightly fallen. Common rice selling at 19 seers a rupee at the Sudder station. |
| | *Eastern Districts.* | | |
| Dacca Div'n. 18 | Dacca Jan. 19, '89 | Nil | Weather—cold and fine. Transplanting of *boro dhan* nearly completed. Cutting of sugarcane going on. Mustard and *kalai* being gathered. Prospects of winter crops good. |
| 19 | Furreedpur ,, 19, '89 | Nil | Weather—hot. Prospects of crops continue good, but a little rain now would be beneficial. |
| 20 | Backergunge ,, 18, '89 | Nil | Weather—hot for the time of the year. Propects of crops fair. Harvesting of *amun* crop is nearly finished; outturn reported to be 12 annas. |
| 21 | Mymensingh ,, 18, '89 | 0·11 | Weather—cloudy in the beginning of the week; cool and fine in the latter part. Prospects of crops good. |
| | Jamalpur .. | 0·15 | |
| | Kishoregunge ... | 0·65 | |
| | Attia ... | 0·72 | |
| | Netrokona ... | Nil | |
| Chittagong Div'n. 22 | Chittagong ,, 22, '89 | Nil | Weather—seasonable. Prospects of winter crops good. Prices steady. |
| 23 | Noakholly ,, 18, '89 | Nil | Weather—rather warm for the season. Harvesting of *amun* completed. *Rubbi* crops doing well. A little rain will do good to the crops. |
| 24 | Tipperah ,, 17, '89 | Nil | Weather—warm for the season. Spring crops generally doing well. The shower in Brahmanberiah will aid them in that sub-division. Price of rice falling. |
| | Brahmanberiah ... | 0·39 | |
| 25 | Chittagong Hill Tracts. ,, 15, '89 | Nil | Weather—very cold in the morning. Mustard, chillies, tobacco and other winter crops progressing. Mustard is in flower. Prospects not good for want of rain. |
| | Hill Tipperah ,, 16, '89 | 0·42 | Weather—rather warm. Sugarcane is being cut. Cotton, *til* and mustard are being gathered. Chillies and tobacco are doing well. |

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---|---|---|---|
| **BEHAR.** | | | |
| **PATNA DIVN.** 26 | Patna Jan. 19, '89 | 0·04 | Weather—occasionally cloudy. Poppy doing well everywhere. Prospects of *rubbi* favourable. Prices almost stationary. |
| 27 | Gya ,, 19, '89 | Nil | Weather—hot and cold. Paddy is being harvested and threshed. Prospects of *rubbi* and poppy promising. Prices almost stationary. |
| 28 | Shahabad ,, 19, '89 | 0·01 | Weather—cool and bright with occasional clouds. Threshing of paddy and pressing of sugarcane going on. Prospects of *rubbi* and poppy continue favourable, but more rain wanted. Prices stationary. |
| 29 | Durbhunga ,, 19, '89 | 0·02 | Weather—occasionally cloudy. *Rubbi* prospects generally fair. Poppy and tobacco continue promising. A little injury is reported to have been done to *rahar* crop by hail in Tajpore sub-division. Common rice selling at 14 seers (pucka) per rupee in Durbhunga. |
| | Tajpore ... | 0·25 | |
| | Madhubani ... | 0·30 | |
| 30 | Muzufferpur ,, 19, '89 | 0·50 | Weather—cold and cloudy. Poppy doing well everywhere. Prospects of *rubbi* favourable in Sudder and Hajipore sub-divisions, and fair in South Sitamarhi, but unfavourable in North Sitamarhi. The rainfall on the 13th instant has been beneficial to *rubbi* crops, but it was not general. Hail did some damage on same date. |
| | Sitamarhi ... | 0·03 | |
| 31 | Sarun ,, 19, '89 | 0·10 | Weather—cloudy. Slight rain on 13th, and a few showers this morning (19th). *Rubbi* and poppy much benefited by rain, but slightly damaged by hail in some places in the Sewan sub-division. Prospects, however, continue excellent. |
| | Sewan ... | 0·48 | |
| 32 | Chumparun ,, 19, '89 | Nil | Weather—cloudy off and on; unusually warm for this time of year. Prospects of standing *rubbi* and poppy crops fair, but rain is needed. Prices ruling very high as compared with the corresponding period of last year. Pressure in the affected tract increasing, but not acute. |
| **BHAGULPORE DIVN.** 33 | Monghyr Jan. 19, '89 | 0·14 | Weather—seasonable, cloudy at times. The hail which accompanied the rain on the 13th has done a little injury to the crops in flower; otherwise the rain has been beneficial to the young *rubbi* crops. Prices steady. |
| | Beguserai ... | 0·24 | |
| 34 | Bhagulpur ,, 19, '89 | 0·34 | Weather—too warm for the season. The rain, though lighter in the north and south, has done good; but more is wanted for the cereals. It was heaviest in the chief *rubbi* tract. Prospects very fair. Mustard being gathered. Prices pretty steady. |
| 35 | Purneah ,, 19, '89 | 0·15 | Weather—cloudy and chilly. *Rubbi* crops doing fairly well. |
| 36 | Maldah ,, 19, '89 | 0·48 | Weather—cool and seasonable. The rain has done good to the *rubbi* crops, and prospects are now favourable. |
| | Chanchal ... | 0·13 | |
| | Shibgunge ... | 0·07 | |
| | Gajole ... | 0·09 | |
| 37 | Sonthal Perghs. ,, 19, '89 | 0·19 | Weather—rather hot for the season. *Dhan* harvest is over. The little rain of this week did some good to the *rubbi* crops, which promise well. |
| | Jamtara ... | 0·30 | |
| | Rajmahal ... | 0·46 | |
| **ORISSA** | | | |
| **ORISSA DIVN.** 38 | Cuttack Jan. 18, '89 | Nil | Weather—seasonable. Reaping of *sarad* rice in progress. Prices rising. Common rice sells at 18 seers 6 chittacks per rupee in town. |
| 39 | Pooree ,, 17, '89 | Nil | Weather—seasonable. Threshing of winter rice going on. *Dalua* crop doing well. *Moong* is being sown. Common rice 20 seers 13 chittacks per rupee in the Sudder sub-division, and 19 seers 9 chittacks in the Khoorda sub-division. |
| 40 | Balasore ,, 18, '89 | Nil | Weather—rather hot for this time of year. *Rubbi* crops being harvested. Prospects favourable. Price of rice ranges from 21 to 32 seers per rupee in the district. |
| **CHOTA NAGPORE.** | | | |
| | ***South-West Frontier Agency.*** | | |
| **CHOTA NAGPORE DIVN.** 41 | Hazaribagh Jan. 18, '89 | 0·24 | Weather—warm for the season. Very slight rain on the 13th. It has not improved prospects of *rubbi* materially. Poppy doing well except in Bogodur, where it is suffering for want of proper irrigation. Prices show a slight tendency to rise in the towns of Hazaribagh and Chutra. |
| 42 | Lohardugga ,, 19, '89 | 0·02 | Weather—getting warm. Some slight rain during the week; more urgently wanted for *rubbi* crops. Prices almost steady. |
| 43 | Singbhoom ,, 18, '89 | Nil | Weather—getting hotter every day. Sky was cloudy for a few days of the week. Paddy nearly harvested; outturn would be about 14 annas. Prospects of *rubbi* crops bad owing to want of rain. Sugarcane seems to be good, and outturn will be about 14 annas and in some places 16 annas. Outturn of *biri* crop will be about 10 to 12 annas, of mustard about 4 annas, and of gram about 6 or 7 annas. Prices same as in last week. |
| 44 | Manbhoom ,, 19, '89 | 0·12 | Weather—for the time being very hot. Sugarcane pressing is going on; outturn varies from 8 to 14 annas. *Rubbi* suffered greatly for want of rain; outturn as follows:—*Surso* (mustard) 7 annas, *surguja* 8 annas, gram 8 annas. Paddy harvest almost over; outturn about 12 annas. |
| | Gobindpur ... | 0·12 | |

Published for general information.

CALCUTTA; REVENUE DEPT.,
*The 22nd January* 1889.

P. NOLAN,
*Secy. to the Govt. of Bengal.*

## *PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the*

QUANTITIES PER RUPEE IN

| Number. | DISTRICTS. | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | | JOWAR OR CHOLUM. (*Sorghum Vulgare.*) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | BENGAL. | | | | | | | | | | | | | | | |
| | *Western Districts.* | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| 1 | Burdwan | 13 4 | 12 4 | 15 0 | No sale. | | | (New) 16 8 | 13 8 | 15 0 | 18 12 | 18 12 | 21 0 | ... | ... | ... |
| 2 | Bankoora | 12 4 | 12 4 | 13 0 | 14 8 | 14 8 | 18 0 | 16 4 | 16 4 | 18 12 | 20 8 | 21 0 | 20 0 | ... | ... | ... |
| 3 | Beerbhoom | 11 0 | 11 4 | 15 0 | ... | ... | ... | 12 0 | 12 0 | 16 8 | 16 0 | 16 8 | 21 0 | ... | ... | ... |
| 4 | Midnapore | 13 5 | 13 5 | 15 0 | 40 0 | 40 0 | ... | 14 0 | 13 0 | 18 0 | 20 0 | 17 8 | 22 0 | ... | ... | ... |
| 5 | Hooghly | 13 0 | 13 0 | 14 0 | ... | ... | ... | 10 0 | 10 0 | 10 0 | 13 0 | 13 0 | 17 0 | ... | ... | ... |
| | Howrah | Not available. | | | ... | ... | ... | 12 0 | 12 | 13 4 | 17 12 | 17 12 | 18 0 | ... | ... | ... |
| | *Central Districts.* | | | | | | | | | | | | | | | |
| | Calcutta* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 6 | 24-Pergunnahs | 12 8 | 12 8 | 16 0 | 16 0 | 16 0 | 22 8 | 8 0 | 8 0 | 8 0 | 16 0 | 16 0 | 18 0 | ... | ... | ... |
| 7 | Nuddea | 14 0 | 14 0 | 17 4 | 22 14 | 22 14 | 32 0 | 12 5 | 12 5 | 14 8 | 17 10 | 17 10 | 17 12 | ... | ... | ... |
| 8 | Khoolna ... | ... | | ... | | | | 16 0 | 14 0 | 18 0 | 18 0 | 18 0 | 23 0 | ... | ... | ... |
| 9 | Jessore | 11 12 | 11 0 | 13 4 | ... | ... | ... | 13 4 | 11 0 | 16 0 | 17 0 | 17 0 | 22 0 | ... | | |
| 10 | Moorshedabad | 13 8 | 13 8 | 16 8 | ... | | ... | 13 8 | 13 4 | 18 0 | 18 0 | 18 0 | 22 8 | ... | ... | ... |
| 11 | Dinagepore | 12 0 | 12 0 | 16 0 | 12 0 | 12 0 | 22 0 | 16 0 | 15 8 | 20 0 | 19 3 | 19 9 | 23 8 | ... | ... | ... |
| 12 | Rajshahye | 16 8 | 15 12 | 18 0 | 26 4 | 24 0 | 45 0 | 15 0 | 12 0 | 16 8 | 16 8 | 16 8 | 20 4 | ... | ... | ... |
| 13 | Rungpore | 12 4 | 14 3 | 16 0 | ... | ... | ... | 10 8 | 12 4 | 14 4 | 16 0 | 16 0 | 21 0 | ... | ... | ... |
| 14 | Bogra | 9 15 | 9 12½ | 15 0 | ... | ... | ... | 13 8 | 12 0 | 15 0 | 18 12 | 18 12 | 26 4 | ... | ... | ... |
| 15 | Pubna ... | 15 0 | 17 0 | 18 9 | ... | ... | ... | 8 0 | 8 0 | 8 0 | 17 4 | 17 4 | 22 4 | | ... | ... |
| 16 | Darjeeling | 10 0 | 10 0 | 10 0 | 10 0 | 10 0 | 11 0 | 5 0 | 5 0 | 5 0 | 12 0 | 12 0 | 12 0 | ... | ... | ... |
| 17 | Julpigoree | 10 0 | 11 0 | 13 5 | 16 0 | 16 0 | 20 0 | 8 0 | 9 8 | 2 0 | 19 0 | 16 0 | 22 0 | ... | ... | ... |
| | *Eastern Districts.* | | | | | | | | | | | | | | | |
| 18 | Dacca ... | 15 0 | 15 0 | 16 0 | 20 0 | 20 0 | 26 0 | 16 0 | 14 0 | 18 0 | 18 0 | 16 0 | 21 0 | ... | ... | ... |
| 19 | Furreedpore ... | 8 0 | 11 0 | 14 0 | 18 0 | ... | 40 0 | 10 0 | 8 0 | 16 0 | 16 0 | 16 0 | 18 0 | ... | ... | ... |
| 20 | Backergunge ... | ... | ... | ... | ... | ... | ... | 13 5 | 13 5 | 16 0 | 15 9 | 16 13 | 21 0 | ... | ... | ... |
| 21 | Mymensingh ... | 8 12 | 9 0 | 12 0 | ... | ... | ... | 12 0 | 12 0 | 12 0 | 21 0 | 20 0 | 18 12 | ... | ... | ... |

* Return not received.

† The firewood entered in the present return is *mango* wood, while that entered in previous returns was *sundri* wood, which is no longer available.

A In sub-divisions retail prices of salt per rupee are:—Culna 10 seers, Cutwa 9 seers 15 chittacks, and Raneegunge 10 seers.
B At Rampore Hât retail price of salt 10½ seers per rupee.
C In sub-divisions retail prices of salt per rupee are:—Ghatal 11 seers, Contai 10 seers, and Tumlook 8 seers.
D At Serampore retail price of salt 10 seers per rupee.
D1 In sub-divisions retail prices of salt per rupee are:—Barasat and Bussirhat 9 seers, Diamond Harbour (Kulpihat) 8 seers, Barrackpore 9½ seers, and Dum-Dum 10 seers.
E In sub-divisions retail prices of salt per rupee are:—Kooshtea, Chooadanga, and Ranaghat 10 seers, and Meherpore 10½ seers.
F In sub-divisions retail prices of salt per rupee are:—Satkhira 9 seers 13 chittacks and Bagirhat 8½ seers.

SEERS OF 80 TOLAHS.

| BAJRA OR CUMBU. (*Pennisetum typhoideum.*) | | | MARUA OR RAGI. (*Eleusine Coracana.*) | | | KANGNI OR KAKUN, ITALIAN MILLET. (*Setaria italica.*) | | | GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (*Cicer arietinum.*) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 17 0 | 16 8 | 23 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 14 8 | 14 8 | 17 8 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 14 4 | 14 4 | 21 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 14 0 | 14 0 | 18 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 20 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 15 8 | 15 0 | 21 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | 12 8 | 12 8 | 13 4 | 15 0 | 16 0 | 22 8 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 15 4 | 16 0 | 26 10 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 0 | 16 0 | 16 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 15 0 | 16 0 | 20 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 0 | 16 0 | 26 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 0 | 12 0 | 22 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 15 0 | 13 8 | 24 12 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 10 0 | 10 5 | 21 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 10 14 | 9 12 | 15 12 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 0 | 18 0 | 27 0 |
| ... | ... | ... | 14 0 | 14 0 | 15 0 | ... | ... | ... | 10 0 | 10 0 | 11 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 20 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 18 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 0 | 11 0 | 16 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 13 | 13 5 | 13 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 4 | 12 0 | 13 8 |

| Indian-corn or Maize. (*Zea Mays.*) | | | Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*) | | | Firewood. | | |
|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| | No sale | | 18 0 | 16 0 | 23 0 | 107 0 | 107 0 | 120 0 |
| 19 0 | 19 0 | 36 0 | 18 12 | 18 12 | 20 0 | 320 0 | 320 0 | 320 0 |
| ... | ... | ... | 20 0 | 16 12 | 13 8 | 160 0 | 160 0 | 160 0 |
| ... | ... | ... | 20 0 | 20 0 | 13 0 | 120 0 | 120 0 | 120 0 |
| ... | ... | ... | 13 0 | 13 0 | 13 0 | 120 0 | 120 0 | 120 0 |
| ... | ... | ... | 14 8 | 13 8 | 13 0 | 100 0 | 100 0 | 100 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | 22 8 | 18 0 | 17 0 | 20 0 | 100 0 | 100 0 | 100 0 |
| ... | ... | ... | 17 12 | 17 12 | 22 14 | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | 160 0 Mango wood.† | 160 0 Sundri wood. | 160 0 |
| ... | ... | ... | 16 0 | 16 0 | 26 12 | 160 0 | 160 0 | 160 0 |
| ... | ... | ... | 20 0 | 20 0 | 18 0 | 200 0 | 200 0 | 190 0 |
| ... | ... | ... | ... | 9 8 | 10 4 | 160 0 | 160 0 | 160 0 |
| ... | ... | ... | 19 1 | 18 3 | 16 12 | 240 0 | 240 0 | 240 0 |
| ... | ... | ... | 10 0 | 10 0 | 10 0 | 120 0 | 120 0 | 120 0 |
| ... | ... | ... | ... | ... | ... | 90 0 | 90 0 | 90 0 |
| ... | ... | ... | 21 0 | 18 12 | 21 0 | 200 0 | 200 0 | 200 0 |
| 20 0 | 20 0 | 26 0 | 8 0 | 8 0 | 8 0 | 120 0 | 120 0 | 120 0 |
| ... | ... | 20 0 | 9 0 | 9 8 | 16 0 | 128 0 | 128 0 | 128 0 |
| ... | ... | ... | 16 0 | 16 0 | 18 8 | 120 0 | 120 0 | 120 0 |
| ... | ... | ... | 12 0 | 10 0 | 13 0 | 120 0 | 120 0 | 160 0 |
| ... | ... | ... | ... | 13 5 | 11 8 | 120 0 | 120 0 | 120 0 |
| ... | ... | ... | 13 0 | 13 0 | 16 0 | ... | ... | ... |

## *Head-quarter Station Bazars of the Districts of Bengal on the 15th January 1889.*

| WHOLESALE PRICES PER MAUND OF 40 SEERS. | | | AVERAGE WAGES PER MONTH. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SALT. | | | SALT. | | | ABLE-BODIED AGRICULTURAL LABOURER. | | | SYCE OR HORSE-KEEPER. | | | COMMON MASON, CARPENTER, OR BLACKSMITH. | | | DISTRICTS. |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| | | | | | | | | | | | | | | | BENGAL. |
| | | | | | | | | | | | | | | | *Western Districts.* |
| Ch. S. | S. Ch. | S Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A | Rs. A. | Rs. A | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | |
| A | | | | | | | | | | | | | | | |
| 10 7½ | 10 7 | 12 13 | 3 11 3 | 3 11 0 | 3 0 0 | 8 0 | 8 0 | 8 0 | 6 8 | 6 8 | 6 8 | 10 0 to 15 0 | 10 0 to 15 0 | 10 0 to 15 0 | Burdwan. |
| 10 0 | 10 0 | 12 0 | 3 14 0 | 3 14 0 | 3 3 0 | 6 0 to 10 0 | 5 0 to 9 0 | 5 0 to 9 0 | 5 0 to 8 0 | 4 0 to 7 8 | 4 0 to 7 8 | 8 0 to 15 0 | 7 0 to 15 0 | 7 0 to 15 0 | Bankoora. |
| B | | | | | | | | | | | | | | | |
| 10 6 | 10 0 | 12 0 | 3 13 0 | 3 13 0 | 3 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | Beerbhoom. |
| C | | | | | | | | | | | | | | | |
| 10 4 | 10 4 | 13 0 | 3 14 0 | 3 14 0 | 3 0 0 | 6 0 | 6 0 | 6 0 | 5 0 | 5 0 to 6 0 | 5 0 | 7 8 to 12 0 | 7 8 to 11 4 | 7 8 to 10 0 | Midnapore. |
| D | | | | | | | | | | | | | | | |
| 9 0 | 9 0 | 13 0 | 4 6 0 | 4 6 0 | 2 14 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | Hooghly. |
| 10 8 | 10 8 | 12 13 | 3 9 0 | 3 10 0 | 2 14 0 | 7 8 to 15 0 | 7 8 to 15 0 | 7 8 to 15 0 | 7 0 | 7 0 | 7 0 | 12 0 to 25 0 | 12 0 to 25 0 | 12 0 to 25 0 | Howrah. |
| | | | | | | | | | | | | | | | *Central Districts.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Calcutta. |
| Dl | | | | | | | | | | | | | | | |
| 10 0 | 10 4 | 12 8 | 3 10 0 | 3 10 0 | 3 0 0 | 9 0 to 10 0 | 10 0 | 10 8 | 6 0 | 8 0 to 9 0 | 6 0 | 15 0 to 22 0 | 15 0 to 25 0 | 15 0 to 20 0 | 24-Pergunnahs. |
| E | | | | | | | | | | | | | | | |
| 9 2 | 9 2 | 11 10½ | 3 14 0 | 3 14 0 | 3 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nuddea. |
| F | | | | | | | | | | | | | | | |
| 10 0 | 10 0 | 10 8 | 3 14 0 | 4 0 0 | 3 4 0 | 7 8 to 9 6 | 7 8 to 9 6 | 9 0 to 15 0 | 7 0 to 8 0 | 7 0 to 8 0 | 6 0 to 8 0 | 15 0 to 30 0 | 15 0 to 30 0 | 10 0 to 16 0 | Khoolna. |
| G | | | | | | | | | | | | | | | |
| 10 0 | 10 0 | 10 12 | 4 0 0 | 4 0 0 | 3 2 0 | 5 0 to 7 8 | 5 0 to 7 8 | 7 8 | 4 0 to 6 0 | 4 0 to 6 0 | 6 0 to 7 0 | 10 0 to 15 0 | 10 0 to 15 0 | 15 0 | Jessore. |
| H | | | | | | | | | | | | | | | |
| 10 8 | 10 10 | 11 8 | 3 12 0 | 3 12 0 | 3 8 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | Moorshedabad. |
| 9 8 | 10 0 | 12 8 | 4 0 0 | 3 14 0 | 3 2 0 | 7 8 | 7 8 | 7 8 | 6 0 to 8 0 | 6 0 to 8 0 | 6 0 to 8 0 | 10 0 to 15 0 | 10 0 to 15 0 | 10 0 to 15 0 | Dinagepore. |
| I | | | | | | | | | | | | | | | |
| 9 9 | 9 9 | 12 0 | 4 0 0 | 4 0 0 | 3 1 4 | 5 0 to 6 0 | 5 0 to 6 0 | 5 0 to 6 0 | 4 0 to 6 0 | 5 0 to 6 0 | 5 0 to 6 0 | 8 0 to 16 0 | 8 0 to 14 0 | 8 0 to 14 0 | Rajshahye. |
| J | | | | | | | | | | | | | | | |
| 10 0 | 9 6 | 11 4 | ... | 4 4 0 | 3 8 0 | 7 8 | 7 8 | 7 8 | 6 0 to 7 0 | 6 0 to 7 0 | 6 0 to 7 0 | 12 0 to 15 0 | 8 0 to 20 0 | 12 0 to 15 0 | Rungpore. |
| 9 0 | 8 4 | 10 8 | 4 5 4 | 4 5 4 | 3 5 4 | 7 0 to 7 8 | 6 0 to 7 8 | 7 0 to 7 8 | 5 0 to 7 8 | 5 0 to 7 0 | 5 0 to 7 8 | 12 0 to 22 0 | 10 0 to 20 0 | 10 0 to 22 0 | Bogra. |
| K | | | | | | | | | | | | | | | |
| 10 0 | 10 0 | 12 0 | ... | ... | ... | 5 0 to 7 0 | 5 0 to 7 0 | 6 0 to 7 8 | 6 0 to 10 0 | 6 0 to 10 0 | 6 0 to 10 0 | 8 0 to 20 0 | 8 0 to 20 0 | 12 0 to 20 0 | Pubna. |
| 8 0 | ... | 9 0 | ... | ... | 4 4 0 | 6 0 | 6 0 | 6 0 | 7 8 to 9 0 | 7 0 to 9 0 | 7 8 to 9 0 | 12 0 to 22 0 | 12 0 to 22 0 | 12 0 to 22 0 | Darjeeling. |
| L | | | | | | | | | | | | | | | |
| 9 0 | 9 0 | 12 9 | 4 4 0 | 4 4 0 | 3 4 0 | 7 8 | 7 8 | 6 0 | 9 0 | 7 0 | 7 0 | 20 0 | 15 0 to 16 0 | 12 0 to 16 0 | Julpigoree. |
| | | | | | | | | | | | | | | | *Eastern Districts.* |
| M | | | | | | | | | | | | | | | |
| 9 2 | 9 2 | 12 8 | 4 8 0 | 4 8 0 | 3 3 | 6 0 to 8 0 | 6 0 to 8 0 | 6 0 to 8 0 | 8 0 to 15 0 | 8 0 to 15 0 | 0 to 8 0 | 8 0 to 20 0 | 8 0 to 20 0 | 8 0 to 20 0 | Dacca. |
| 10 0 | 9 0 | 12 0 | 4 0 0 | 4 2 0 | 3 1 0 | 7 8 | 7 8 | 7 8 | 8 0 | 7 0 | 7 0 | 10 0 to 15 0 | 10 0 to 15 0 | 12 0 to 15 0 | Furreedpore. |
| N | | | | | | | | | | | | | | | |
| 10 10 | 10 0 | 13 6 | 3 12 0 | 3 12 0 | 3 1 0 | 7 8 | 7 8 | 8 0 | 6 0 | 6 0 | 6 0 | 10 0 to 15 0 | 12 0 to 15 0 | 12 0 to 15 0 | Backergunge. |
| O | | | | | | | | | | | | | | | |
| 9 10 | 9 10 | 12 0 | 4 2 0 | 4 2 0 | 3 4 0 | 7 0 to 10 0 | 7 0 to 10 0 | 7 0 to 10 0 | 6 0 to 7 0 | 6 0 to 7 0 | 6 0 to 7 0 | 12 0 to 30 0 | 12 0 to 30 0 | 12 0 to 30 0 | Mymensingh. |

G In sub-divisions retail prices of salt per rupee are :—Jhenida 9 seers, Magura and Bongong 10 seers, and Narail 7½ seers.
H In sub-divisions retail prices of salt per rupee are :—Lalbagh 9 seers Kandi 9½ seers, and Jungipore 10 seers.
I In sub-divisions retail prices of salt per rupee are :—Nattore 9½ seers and Nowgong 8 seers 11 chittacks.
J In sub-divisions retail prices of salt per rupee are :—Nilphamari 10 seers, Kurigram 9 seers.
K At Serajgunge retail price of salt 10 seers per rupee.
L At Pellacutta in the Alipore sub-division retail price of salt 8 seers per rupee.
M In sub divisions retail prices of salt per rupee are :—Manickgunge 9 seers, Moonshigunge 8 seers 14 chittacks, and Naraingunge 10 seers.
N In sub-divisions retail prices of salt per rupee are :—Patuakhali and Bhola 8 seers and Perozopore 9 seers.
O In sub-divisions retail prices of salt per rupee are :—Kishoregunge and Netrokona 8 seers.

## *PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarte*

QUANTITIES PER RUPEE IN

| Number. | DISTRICTS. | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | | JOWAR OR CHOLUM. (*Sorghum Vulgare.*) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | ***Eastern Districts*—concluded.** | S Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| 22 | Chittagong ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 23 | Noakholly ... | ... | ... | ... | ... | ... | ... | 18 0 | 18 0 | 21 0 | 20 0 | 20 0 | 22 0 | ... | ... | ... |
| 24 | Tipperah ... | 12 8 | 12 8 | 13 8 | ... | ... | ... | 16 0 | 16 0 | 17 8 | 20 0 | 20 0 | 26 4 | ... | ... | ... |
| 25 | Chittagong Hill Tracts. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Hill Tipperah ... | 6 0 | 6 0 | 12 0 | ... | ... | ... | 9 0 | 9 0 | 16 0 | 18 0 | 20 0 | 26 0 | ... | ... | ... |
| | BEHAR. | | | | | | | | | | | | | | | |
| 26 | Patna ... | 16 0 | 16 4 | 17 0 | 20 8 | 20 0 | 28 0 | 11 0 | 11 0 | 11 8 | 15 8 | 16 0 | 21 0 | ... | ... | 28 8 |
| 27 | Gya ... | 13 8 | 13 8 | 13 4 | 16 0 | 16 0 | 24 0 | 9 8 | 9 8 | 10 0 | 15 8 | 15 8 | 17 8 | ... | ... | ... |
| 28 | Shahabad ... | 14 8 | 15 8 | 13 8 | 18 0 | 18 4 | 21 4 | 10 0 | 10 0 | 9 8 | 15 4 | 15 8 | 17 8 | 18 8 | 18 4 | 20 0 |
| 29 | Durbhunga ... | 15 4 | 12 9½ | 16 7 | 17 8 | 20 15½ | 35 0 | 10 8 | 10 2 | 14 4 | 13 12 | 14 5 | 20 12 | ... | ... | ... |
| 30 | Mozufferpore ... | 12 0 | 12 0 | 15 0 | 18 0 | ... | 29 0 | 9 0 | 9 0 | 12 0 | 12 0 | 12 0 | 20 0 | ... | ... | ... |
| 31 | Sarun ... | 15 0 | 15 0 | 14 8 | 20 8 | 21 8 | 25 0 | 8 8 | 8 8 | 8 8 | 13 10 | 13 8 | 19 8 | ... | ... | ... |
| 32 | Chumparun ... | 13 0 | 13 0 | 14 0 | 20 0 | 21 0 | 31 0 | 7 8 | 9 0 | 13 0 | 13 0 | 13 8 | 20 9 | ... | ... | ... |
| 33 | Monghyr ... | 14 11 | 15 12 | 16 12 | ... | 21 0 | 25 3 | 12 9 | 14 11 | 13 15 | 15 4 | 17 13 | 18 6 | ... | 21 0 | ... |
| 34 | Bhagulpore ... | 15 2 | 15 2 | 15 2 | 12 10 | 12 10 | 25 4 | 11 0 | 11 0 | 12 10 | {Old 15 2 New 16 6} | {Old 15 2 New 16 6} | 16 6 | ... | ... | ... |
| 35 | Purneah ... | 13 0 | 14 0 | 18 0 | ... | ... | 32 0 | 16 0 | 14 0 | 19 0 | 17 0 | 16 0 | 22 0 | ... | ... | ... |
| 36 | Maldah ... | 13 8 | 14 0 | 18 8 | ... | ... | ... | 12 8 | 13 0 | 16 0 | 17 5 | 17 0 | 22 0 | ... | ... | ... |
| 37 | Sonthal Perghs. | 11 8 | 13 0 | 14 0 | ... | ... | ... | 12 8 | 12 8 | 16 0 | 18 0 | 19 0 | 0 0 | ... | ... | ... |
| | ORISSA. | | | | | | | | | | | | | | | |
| 38 | Cuttack ... | 11 13 | 13 2 | 17 1 | ... | ... | ... | 11 13 | 11 13 | 15 8 | 19 11 | 19 11 | 21 0 | ... | ... | ... |
| 39 | Pooree ... | 11 13 | 11 13 | 14 7 | ... | ... | ... | 13 2 | 11 13 | 11 13 | 21 0 | 17 1 | 22 5 | ... | ... | ... |
| 40 | Balasore ... | 12 0 | 12 0 | 15 0 | 13 0 | 13 0 | 13 0 | 12 0 | 12 0 | 13 0 | 22 0 | 22 0 | 23 0 | ... | ... | ... |
| | CHOTA NAGPORE. *South-West Frontier Agency.* | | | | | | | | | | | | | | | |
| 41 | Hazaribagh ... | 13 0 | 13 0 | 11 0 | 9 0 | 11 0 | 22 0 | 8 0 | 8 0 | 10 0 | 15 0 | 17 0 | 16 4 | Not procurable | | |
| 42 | Lohardugga ... | 10 8 | 11 0 | 13 0 | Not available | | 20 0 | 12 0 | 14 8 (New) | 16 0 | 16 0 | 19 0 (New) | 19 0 | ... | ... | ... |
| 43 | Singbhoom ... | 10 0 | 10 0 | 16 0 | 14 0 | 20 0 | 24 0 | 16 0 | 16 0 | 16 0 | 20 0 | 20 0 | 22 0 | ... | ... | ... |
| 44 | Manbhoom ... | M 14 | 11 8 | 13 0 | ... | ... | 34 0 | 12 8 | 12 8 | 20 0 | 21 0 | 22 0 | 23 0 | ... | ... | ... |

P At Panchgachia in Fenny sub-division retail price of salt 8 seers per rupee.
Q In sub-divisions retail prices of salt per rupee are :—Buxar 10½ seers, Bhabooah 9½ seers, and Sasseram 10 seers.
R In sub-divisions retail prices of salt per rupee are :—Tajpore 10½ seers and Madhubani 10 seers.
S In Hajipore and Sitamarhi sub-divisions retail price of salt 10 seers per rupee

CALCUTTA,
*The 22nd January* 1889.

SEERS OF 80 TOLAHS.

| Bajra or Cumbu. (*Penisetum typhoideum.*) | | | Marua or Ragí. (*Eleusine Coracana.*) | | | Kangni or Kakun. Italian millet. (*Setaria italica.*) | | | Gram, Chana, Cholam, Kadalay, or Sunaga. (*Cicer arietinum.*) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| .. | ... | ... | ... | ... | .. | ... | ... | .. | 12 0 | 12 0 | 13 0 |
| .. | ... | ... | ... | .. | .. | .. | .. | ... | 16 0 | 16 0 | 16 0 |
| .. | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... |
| .. | ... | ... | ... | .. | .. | ... | ... | ... | 10 0 | 10 0 | 12 0 |
| .. | ... | 26 0 | ... | ... | 26 0 | 16 0 | 15 8 | 30 0 | 19 0 | 19 0 | 21 0 |
| .. | ... | ... | .. | ... | .. | 15 0 | 14 4 | 17 0 | 17 0 | 17 0 | 22 0 |
| .. | ... | ... | ... | ... | .. | ... | ... | ... | 18 0 | 18 0 | 19 |
| .. | ... | ... | 19 12 | 19 12 | 33 0 | 17 8 | ... | ... | 17 8 | 17 0 | 19 12 |
| .. | ... | ... | ... | ... | 30 0 | ... | ... | ... | 16 0 | 16 0 | 16 0 |
| .. | ... | ... | 20 0 | 20 0 | 27 8 | 15 0 | 15 0 | 20 0 | 17 8 | 17 8 | 19 8 |
| .. | ... | .. | 20 0 | 23 0 | 31 0 | ... | ... | ... | 14 0 | 15 0 | 21 0 |
| .. | ... | .. | ... | 16 13 | ... | 10 8 | 10 8 | 21 0 | 17 13 | 19 2 | 22 4 |
| .. | ... | ... | ... | ... | .. | ... | ... | ... | 16 6 | 16 11 | 22 11 |
| .. | ... | ... | ... | ... | 32 0 | ... | ... | 16 0 | 13 0 | 13 0 | 26 0 |
| .. | ... | ... | ... | ... | ... | ... | ... | ... | 13 8 | 12 0 | 25 0 |
| .. | .. | ... | ... | ... | .. | ... | ... | ... | 14 0 | 14 0 | 20 0 |
| .. | ... | .. | ... | ... | ... | ... | | ... | 18 6 | 18 6 (Kalai) | 19 11 |
| .. | ... | .. | ... | ... | ... | ... | ... | ... | 13 2 | 13 2 (Kalai) | 17 1 |
| .. | ... | ... | ... | ... | .. | | .. | ... | 13 0 | 13 0 | 17 0 |
| Not procurable. | | | 20 0 | 20 0 | 24 0 | Not procurable. | | | 15 0 | 14 0 | 18 8 |
| .. | ... | ... | 27 0 | 29 0 | 34 0 | ... | ... | ... | 14 0 | 15 8 | 17 0 |
| .. | ... | ... | ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 16 0 |
| .. | ... | ... | ... | ... | | ... | ... | ... | 13 5 | 13 5 | 16 0 |

| INDIAN-CORN OR MAIZE. (*Zea Mays.*) | | | ARHAR OR THUR. CADJAN PEA. (*Cajanus indicus.*) | | | FIREWOOD. | | |
|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | 8 0 | 8 0 | 8 0 | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | 8 0 | 8 0 | 16 0 | ... | ... | ... |
| 20 8 | 20 0 | 28 0 | 22 0 | 22 0 | 23 0 | 130 0 | 130 0 | 120 0 |
| ... | ... | ... | 18 0 | 18 0 | 17 0 | 200 0 | 200 0 | 140 0 |
| ... | ... | ... | 13 4 | 14 0 | 14 0 | 160 0 | 160 0 | 160 0 |
| 18 0 | 18 11 | 29 10 | 20 12 | 20 15½ | 16 7 | 200 0 | 157 0 | 176 0 |
| 17 0 | 17 0 | 26 4 | 20 0 | 20 0 | 16 0 | 160 0 | 160 0 | 160 0 |
| 19 4 | 20 0 | 25 12 | 20 8 | 20 8 | 16 8 | 160 0 | 160 0 | 160 0 |
| 17 8 | 19 0 | 28 0 | 22 0 | 21 0 | 14 0 | 160 0 | 160 0 | 160 0 |
| 17 13 | 18 10 | 27 14 | 18 10 | 18 14 | 16 13 | 147 0 | 163 0 | 126 0 |
| 17 10 | 18 4 | 25 4 | 17 10 | 17 10 | 20 3 | 176 8 | 189 0 | 151 8 |
| ... | ... | 26 0 | 16 0 | 16 0 | 16 0 | 200 0 | 200 0 | 120 0 |
| ... | ... | ... | ... | ... | ... | 120 0 | 120 0 | 120 0 |
| 20 0 | 19 8 | 36 0 | 24 0 | 23 0 | 25 0 | 200 0 | 200 0 | 200 0 |
| ... | ... | ... | 18 6 | 17 1 | 18 6 | 80 0 | 80 0 | 80 0 |
| ... | ... | ... | 13 2 | 13 2 | 17 1 | 80 0 | 80 0 | 70 0 |
| ... | ... | ... | ... | ... | ... | 160 0 | 160 0 | 200 0 |
| 18 0 | 20 0 | 21 0 | 16 0 | 16 0 | 18 0 | 320 0 | 320 0 | 320 0 |
| 18 0 | 18 0 | 24 0 | 16 8 | large 16 0 small 18 8 | 20 0 | 140 0 | 140 0 | 140 0 |
| ... | ... | ... | 15 0 | 15 0 | 20 0 | 200 0 | 200 0 | 320 0 |
| 26 0 | 26 0 | 34 0 | 18 0 | 16 0 | 20 0 | 200 0 | 200 0 | 200 0 |

*Station Bazars of the Districts of Bengal on the 15th January 1889*—(concluded).

| WHOLESALE PRICES PER MAUND OF 40 SEERS. | | | AVERAGE WAGES PER MONTH. | | | | | | | | | DISTRICTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SALT. | | | ADULT-BODIED AGRICULTURAL LABOURER. | | | SYCE OR HORSE-KEEPER. | | | COMMON MASON, CARPENTER, OR BLACKSMITH. | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | |
| *Eastern Districts*—concluded. | | | | | | | | | | | | |
| ... | ... | ... | ..... | ..... | ..... | 8 0 | 8 0 | 10 8 | 8 0 | 8 0 | 7 8 | Chittagong. |
| P 8 0 | 8 0 | 9 0 | 4 8 0 | 4 8 0 | 3 12 0 | 7 0 to 10 0 | 7 8 to 9 0 | 7 0 to 10 0 | 5 0 to 7 0 | 4 0 to 7 0 | 5 0 to 7 0 | Noakholly. |
| 8 0 | 8 0 | 11 8 | 4 6 0 | 4 6 0 | 3 5 0 | 10 0 | 7 0 to 10 0 | 10 0 | 8 0 | 7 0 to 8 0 | 8 0 | Tipperah. |
| ... | ... | ... | ..... | ..... | ..... | 12 0 | 9 6 | 9 6 | Not procurable | | | Chittagong Hill Tracts. |
| 8 0 | 8 0 | 11 0 | 4 6 0 | 4 6 0 | 3 4 0 | 8 0 | 8 0 | 8 0 | 6 0 | 6 0 | 6 0 | Hill Tipperah. |
| | | | | | | | | | | | | BEHAR. |
| 10 0 | 10 0 | 12 0 | 3 13 3 | 3 13 0 | 3 1 6 | 4 0 to 5 0 | 4 0 to 5 0 | 4 8 to 5 0 | 4 8 to 5 0 | 4 8 to 5 0 | 4 8 to 5 0 | Patna. |
| 9 8 | 9 0 | 11 0 | ..... | ..... | 3 5 0 | 2 8 to 3 0 | 2 8 to 3 0 | 2 8 to 3 0 | 3 0 to 5 0 | 3 3 to 5 0 | 6 0 to 5 0 | Gya. |
| Q 10 0 | 10 0 | 12 8 | 4 0 0 | 4 0 0 | 3 3 6 | 5 0 | 5 0 | 5 0 | 4 0 to 6 0 | 4 0 to 6 0 | 6 0 to 6 0 | Shahabad. |
| R 11 0 | ... | 13 0 | 3 10 3 | 3 4 0 | 3 0 0 | 3 12 to 5 0 | 2 12 to 5 0 | 2 8 to 5 0 | 3 0 to 5 0 | 3 0 to 5 0 | 2 8 to 5 0 | Durbhunga. |
| S 10 0 | 10 0 | 12 0 | 3 12 0 | 3 12 0 | 3 4 0 | ... | ... | ... | ... | .. | ... | Mozufferpore |
| 10 0 | 10 0 | 12 0 | 3 14 6 | 3 14 6 | 3 3 6 | 3 12 to 7 8 | 3 12 to 7 8 | 3 12 to 7 8 | 4 0 to 7 0 | 4 0 to 7 0 | 4 0 to 7 0 | Sarun. |
| T 9 0 | 8 0 | 11 0 | 4 0 0 | 4 0 0 | 3 5 0 | 2 13 to 3 12 | 2 13 to 3 12 | 3 12 | 4 to 6 0 | 4 0 to 6 0 | 4 0 | Chumparun. |
| U 9 8 | 9 8 | 12 9 | 4 0 0 | 4 0 0 | 2 14 6 | 5 10 | 4 0 to 5 0 | 5 10 | 3 0 to 4 0 | 3 0 to 5 0 | 3 0 to 4 0 | Monghyr. |
| 10 1 | 10 1 | 12 0 | ... | ... | 3 2 0 | 3 12 to 5 10 | 3 12 to 5 10 | 3 12 to 5 10 | 3 0 to 5 0 | 4 0 to 5 0 | 4 0 to 5 0 | Bhagulpore. |
| 9 0 | 9 0 | 11 0 | 4 5 0 | 4 5 4 | 3 3 6 | 4 11 to 5 10 | 4 11 to 5 10 | 4 11 to 5 10 | 4 0 to 5 0 | 4 0 to 5 0 | 4 0 to 5 0 | Purneah. |
| 9 8 | 9 0 | 11 8 | 4 0 0 | 4 1 6 | 3 5 0 | 7 8 | 7 0 | 5 0 | 5 0 | 5 0 | 5 0 | Maldah. |
| 9 0 | 9 0 | 11 8 | 4 4 0 | 4 5 0 | 3 4 6 | ... | ... | ... | ... | ... | ... | Sonthal Pergns. |
| | | | | | | | | | | | | ORISSA |
| 11 0 | 11 0 | 14 0 | 3 12 0 | 3 12 0 | 2 12 0 | 5 10 | 5 10 | 5 10 | 4 0 | 4 0 | 4 0 | Cuttack. |
| 11 13 | 11 13 | 13 2 | 3 6 0 | 3 6 0 | 2 12 0 | 6 0 | 6 0 | 6 0 | 5 0 | 5 0 | 5 0 | Pooree. |
| V 9 12 | 9 12 | 10 8 | 3 13 6 | 3 13 6 | 3 5 0 | 4 0 to 5 0 | 5 10 to 7 8 | 5 10 to 7 8 | 4 0 to 6 0 | 4 0 to 6 0 | 4 0 to 6 0 | Balasore. |
| | | | | | | | | | | | | CHOTA NAGPORE. *South-West Frontier Agency.* |
| 8 0 | 8 0 | 10 0 | 4 8 0 | 4 4 0 | 3 10 0 | 3 12 | 3 12 | 3 12 | 4 0 to 5 0 | 3 0 to 4 0 | 5 0 to 7 8 | Hazaribagh. |
| 8 8 | 8 6 | 10 8 | 4 9 0 | 4 12 0 | 3 10 0 | 3-4-6 to 3-12-0 | 3-4-6 to 3-12-0 | 3-4-6 to 3-12-0 | 3 0 to 4 8 | 3 8 to 6 0 | 3 0 to 4 8 | Lohardugga. |
| 7 0 | 7 0 | 9 0 | 5 8 0 | 5 8 0 | 4 4 0 | 3 0 | 3 0 | 3 0 | 5 0 | 5 0 | 4 0 | Singbhoom. |
| W 9 0 | 8 8 | 10 10 | 4 3 6 | 4 3 0 | 3 7 0 | ... | ... | ... | ... | ... | ... | Manbhoom. |

T At Bettiah retail price of salt 9½ seers per rupee.
U In sub-divisions retail prices of salt per rupee are:—Begusarai 9½ seers and Jamui 9 seers.
V At Bhudruck retail price of salt 8 seers per rupee.
W At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
*Secy. to the Govt. of Bengal.*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in th*

| Number. | MARTS. | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. |
| 1 | Calcutta* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2 | Serajgunge ... | 2 4 0 | 2 5 0 | 2 4 0 | ... | ... | ... | 3 8 0 | 3 6 0 | 3 6 0 | 2 6 0 | 2 6 0 | 1 14 0 |
| 3 | Dacca ... | 2 10 0 | 2 10 0 | 2 6 0 | 2 0 0 | 1 15 0 | 1 8 0 | 2 7 0 | 2 12 0 | 2 3 0 | 2 4 0 | 2 8 0 | 1 14 0 |
| 4 | Naraingunge | ... | ... | ... | ... | ... | ... | 2 6 0 | 2 4 0 | 1 12 0 | 2 4 0 | 2 3 0 | 1 8 0 |
| 5 | Chittagong* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 6 | Patna ... | 2 7 0 | 2 8 0 | 2 5 6 | 1 14 6 | 1 14 0 | 1 6 6 | 3 8 0 | 3 8 0 | 3 0 0 | 2 7 0 | 2 7 0 | 1 13 0 |
| 7 | Balasore ... | 3 8 0 | 3 8 0 | 2 10 0 | 3 0 0 | 3 0 0 | 3 0 0 | 3 4 0 | 3 4 0 | 3 0 0 | 1 10 0 | 1 10 0 | 1 10 0 |
| 8 | Pooree ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 14 0 | 2 2 6 | 1 11 0 |
| 9 | Cuttack ... | 3 4 0 | 3 0 0 | 2 2 0 | ... | ... | ... | 3 4 0 | 3 4 0 | 3 10 0 | 2 0 0 | 2 0 0 | 1 11 0 |

* Return not received.

CALCUTTA,
*The 22nd January* 1889.

PRICES PER MAUND

| JOWAR OR CHOLUM. (Sorgum Vulgare.) | BAJRA OR CUMBU. (Penisetum typhoideum). |
|---|---|
| Present return. | |
| Next preceding return. | |
| Corresponding return of last year. | |
| Present return. | |
| Next preceding return. | |
| Corresponding return of last year. | |

R.A.P. R.A.P. R.A.P. R.A.P. R.A.P. R.A.P.

1 6 0 1 6 0

OF 40 SEERS.

| Mandá or Ragi. (*Eleusine Coracana.*) | Kangni or Kakun Italian Millet. (*Setaria italica.*) | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return |
|---|---|---|---|---|---|---|---|
| R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. |
| ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ...

*ermentioned Marts of Bengal on the 15th January 1889.*

| ...M, CHANA, CHHOLA, ...DALAT OR SUNAGA. (*Cicer Arietinum.*) | | | INDIAN-CORN OR MAIZE. (*Zea Mays.*) | | | ARHAR OR THUR. CADJAN I'EA. (*Cajanus indicus.*) | | | FIREWOOD. | | | SALT. | | | MARTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. F. | |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Calcutta. |
| 0 | 3 5 0 | 3 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 10 0 | 3 13 0 | 3 2 0 | Serajgunge. |
| 0 | 3 0 0 | 2 3 0 | ... | ... | ... | 2 8 0 | 2 8 0 | 2 0 0 | 0 5 0 | 0 5 0 | 0 5 0 | 4 8 0 | 4 8 0 | 3 3 0 | Dacca. |
| 0 | 3 0 0 | 2 2 0 | ... | ... | ... | 3 2 0 | 3 2 0 | 2 4 0 | 0 10 0 | 0 10 0 | 0 8 0 | 3 12 0 | 3 12 0 | 3 0 0 | Naraingunge. |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Chittagong. |
| 0 | 2 1 0 | 1 13 0 | 1 14 6 | 1 15 0 | 1 6 6 | 1 12 0 | 1 12 0 | 1 11 6 | 0 5 0 | 0 5 3 | 0 5 0 | 3 13 3 | 3 13 0 | 3 1 6 | Patna. |
| 0 | 3 2 0 | 2 4 0 | ... | ... | ... | ... | ... | ... | 0 4 6 | 0 4 6 | 0 4 0 | 3 13 6 | 3 13 6 | 3 5 0 | Balasore. |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 6 0 | 3 6 0 | 2 12 0 | Poorea. |
| 0 | 2 2 0 (*Kalai*) | 2 0 0 | ... | ... | ... | 2 2 0 | 2 2 0 | 2 2 0 | 0 8 0 | 0 8 0 | 0 8 0 | 3 12 0 | 3 12 0 | 2 12 0 | Cuttack. |

Published for general information.

P. NOLAN,
*Secy. to the Govt. of Bengal.*

| Meteorological Division. | District. | Representative station. | Air pressure. Mean barometric height, 8 A.M. | Air pressure. Mean reduced to sea-level. | Air pressure. Variation from mean. | Wind. Prevailing direction. | Wind. Mean wind velocity. | Temperature. Highest during week. | Temperature. Date. | Temperature. Lowest during week. | Temperature. Date. | Temperature. Mean maximum temperature. | Temperature. Mean minimum temperature of week. | Temperature. Mean daily temperature of week. | Temperature. Variation from normal mean. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **STATION OBSERVATIONS.** | | | | | | | | | | | | |
| Orissa. | Pooree | Pooree | 30·043 | 30·056 | — | Calm | 130 | 83·7 | 18th Jan. | 69·8 | 17th Jan. | 80·5? | 63·8 | 72·2? | — |
| | | Gopalpore | 30·021 | 30·071 | —·032 | NNW | 240 | 83·2 | 17th & 18th Jan. | 60·9 | 17th ,, | 80·8 | 63·4 | 72·2 | +2 |
| | | False Point | 30·035 | 30·058 | —·023 | W | 182 | 85·4 | 18th ,, | 57·0 | 16th ,, | 81·8 | 59·8 | 70·8 | +1 |
| | Cuttack | Cuttack | 29·984 | 30·069 | —·011 | Calm | 31 | 90·9 | 17th ,, | 59·8 | 12th, 14th & 17th Jan. | 90·0 | 60·7 | 75·4 | +1 |
| | Balasore | Balasore | 30·064 | 30·065 | —·039 | Calm & westerly. | 115·2 | 89·4 | 18th ,, | 55·5 | 12th ,, | 87·5 | 59·1 | 73·3 | +2 |
| South-West Bengal. | South-West Midnapore, South 24-Pergunnahs | Saugor Island | 30·034 | 30·061 | —·034 | SSW | 209 | 80·7 | 15th & 16th Jan. | 62·9 | 16th ,, | 79·6 | 67·7 | 73·6 | +2 |
| | Midnapore | Midnapore | 29·902 | 30·059 | —·045 | N | 49·8 | 90·3 | 13th ,, | 57·2 | 18th ,, | 88·7 | 61·3 | 75·1 | +2 |
| | 24-Pergunnahs, Howrah, Hooghly | Calcutta | 30·035 | 30·057 | —·047 | SSW | 58 | 84·5 | 18th ,, | 62·3 | 12th & 18th Jan. | 83·6 | 63·8 | 73·2 | +2 |
| | Burdwan | Burdwan | 29·950 | 30·056 | —·049 | Calm | 22·6 | 85·5 | 13th ,, | 50·1 | 12th ,, | 84·9 | 60·3 | 72·6 | +1 |
| | Bankoora | Bankoora | 29·738 | 30·054 | — | W | 54 | 87·6 | 13th ,, | 53·8 | 12th ,, | 85·8 | 60·8 | 73·3 | — |
| | Beerbhoom, West Burdwan | Raneegunge* | 29·714 | 30·037 | —·033 | Calm | 43·6 | 87·3 | 13th ,, | 54·2 | 12th ,, | 84·5 | 60·2 | 72·4 | +1 |
| | Moorshedabad | Berhampore | 29·988 | 30·058 | —·023 | Calm | 41·1 | 83·1 | 13th ,, | 51·2 | 12th ,, | 80·6 | 57·9 | 69·3 | +1 |
| | Nuddea | Krishnaghur | 30·016 | 30·085 | +·025 | Variable | 69·3 | 85·0 | 15th ,, | 55·1 | 12th ,, | 83·0 | 58·8 | 70·9 | +2 |
| | Jessore, Khoolna | Jessore | 30·037? | 30·072? | —·008? | Calm | 44·3 | 84·2 | 16th ,, | 56·0 | 12th ,, | 83·0 | 60·8 | 71·9 | +1 |
| | Chittagong | Chittagong | 29·975 | 30·070 | —·003 | Calm | 33·6 | 85·6 | 16th & 17th Jan. | 54·2 | 12th ,, | 82·9 | 58·5 | 70·7 | +1 |
| East Bengal. | Chittagong Hill Tracts | Demagiri | Observations not received. | | | | | | | | | | | | |
| | Backergunge | Barrisal | 30·061 | 30·074 | +·007 | Calm | 40·0 | 82·4 | 16th & 17th Jan. | 56·6 | 12th ,, | 80·8 | 61·0 | 70·9 | +2 |
| | Noakholly | Noakholly | 30·025 | 30·071 | +·023 | Calm | 9·9* | 84·5 | 17th ,, | 52·5 | 12th ,, | 81·2 | 56·8 | 69·0 | +1 |
| | Furreedpore | Furreedpore | 30·029 | 30·070 | —·002 | Calm | 44 | 82·3 | 15th ,, | 53·5 | 12th ,, | 77·7 | 58·6 | 68·2 | +1 |
| | Dacca | Dacca | 30·038 | 30·061 | —·005 | Westerly | 57·5 | 84·7 | 15th ,, | 58·3 | 18th ,, | 82·2 | 60·4 | 71·3 | +2 |
| | Commillah | Commillah* | 30·025 | 30·062 | —·012 | E | 31·0 | 85·4 | 15th ,, | 54·0 | 12th ,, | 82·5 | 57·2 | 69·9 | +2 |
| North Bengal. | Mymensingh | Mymensingh | 30·012 | 30·073 | —·011 | SE | 49·3 | *82·2 | 14th ,, | 53·6 | 12th ,, | 80·1† | *56·5† | 68·3† | — |
| | Bogra | Bogra | 29·996? | 30·063? | +·001? | Calm | 28·3 | 81·3 | 17th ,, | 50·1 | 12th ,, | 78·0 | 55·1 | 66·5 | +1 |
| | Pubna | Serajgunge | 30·061 | 30·050 | —·027 | North-easterly. | 41·3 | 79·5 | 16th ,, | 51·7 | 12th ,, | 77·6 | 56·8 | 67·2 | +1 |
| | Rajshahye | Rampore Beauleah. | 29·981 | 30·054 | —·007 | SW | 59·9 | 80·4 | 13th & 18th Jan. | 51·7 | 12th ,, | 78·6 | 56·3 | 67·4 | +1 |
| | Maldah | Maldah | 30·027 | 30·113 | — | NW | 43·1 | 80·0 | 18th ,, | 45·9* | 17th ,, | 78·8* | 53·8*? | 66·3*? | — |
| | Dinagepore | Dinagepore | 29·949 | 30·078 | —·004 | SW | 36·4 | 80·1 | 18th ,, | 46·3 | 12th ,, | 78·5 | 51·5 | 65·0 | +1 |
| | Rungpore | Rungpore | 29·934 | 30·067 | —·020 | Southerly | 48 | 79·6 | 17th ,, | 46·8 | 12th ,, | 77·7 | 51·9 | 64·8 | +1 |
| | Julpigoree, Cooch Behar | Julpigoree | 29·771 | 30·077 | —·013 | E | 26·1 | 59·7 | 16th & 18th Jan. | 48·9 | 12th ,, | 57·6 | 51·8 | 54·7 | — |
| | Darjeeling Hill Tracts | Darjeeling* | 22·985 | — | —·006 | SW | 227 | 50·3 | 15th ,, | 35·1 | 15th ,, | 48·6 | 36·5 | 42·6 | +1 |
| North Behar. | Purneah, North Bhagulpore | Purneah | 29·934 | 30·008 | —·042 | Calm | 26·7 | 78·2 | 14th ,, | — | — | 70·6 | — | — | — |
| | Mozufferpore | Mozufferpore | Observations suspended. | | | | | | | | | | | | |
| | Durbhunga | Durbhunga | 29·873 | 30·052 | —·049 | Easterly | 62 | 75·9 | 18th Jan. | 52·6 | 12th Jan. | 72·1 | 55·3 | 63·7 | +1 |
| | Chumparun | Motihari | 29·843 | 30·086 | —·003 | S | 103·6* | 79·7 | 18th ,, | 44·9 | 12th ,, | 68·3 | 48·2 | 58·2 | — |
| | Saran | Chupra | 29·888? | 30·093? | +·002? | South-westerly. | 8·6† | 67·5 | 18th ,, | 50·5 | 12th ,, | 61·8 | 53·4 | 57·6 | — |
| South Behar. | Shahabad | Dehree | 29·700 | 30·075 | —·019 | SSW | 34·5 | 83·3 | 18th ,, | 54·5 | 12th ,, | 81·7 | 57·1 | 69·4 | +1 |
| | | Buxar | 29·826 | 30·084 | —·021 | NW | 71·6 | 83·4 | 18th ,, | 51·9 | 12th & 18th Jan. | 78·7 | 54·5 | 66·6 | +1 |
| | | Arrah | 29·863 | 30·074 | ·010 | Easterly | 15·0 | 81·8 | 18th ,, | 48·9 | 12th ,, | 77·5 | 52·7 | 65·1 | +1 |
| | Gya | Gya | 29·693 | 30·096 | —·015 | Calm | 64·7 | 82·4 | 14th & 18th Jan. | 52·6 | 12th ,, | 81·8 | 57·8 | 69·8 | +1 |
| South Behar. | Patna | Bankipore | 29·884 | 30·079 | —·025 | Calm | 29·8 | 80·3 | 18th ,, | 49·8 | 12th ,, | 76·2 | 54·1 | 65·2 | +1 |
| | South Bhagulpore, Monghyr | Bhagulpore | 29·904 | 30·075 | —·003 | Calm | 30 | 77·3 | 18th ,, | 50·0 | 12th ,, | 75·2 | 54·4 | 64·8 | +1 |
| | Sonthal Pergunnahs | Doomka | 29·541 | 30·071 | —0·24 | Calm | 31·5 | 84·5 | 13th ,, | 50·8 | 12th ,, | 81·1 | 56·4 | 68·8 | +1 |
| Chota Nagpore. | Hazaribagh | Hazareeagh | 28·006 | 30·084 | +·002 | South-westerly. | 136·5 | 82·3 | 14th ,, | 57·9 | 18th ,, | 79·9 | 59·0 | 69·5 | +1 |
| | Lohardugga, Manbhoom | Ranchee | 27·880 | 30·069 | —·019 | Westerly | 96·1 | 82·0 | 12th & 14th Jan. | 56·4 | 13th ,, | 80·8 | 57·3 | 69·1 | +1 |
| | Singbhoom | Chyebassa | 29·289 | 30·087 | +·052 | Calm | 12·8 | 88·2 | 14th ,, | 57·0 | 12th ,, | 87·0 | 58·7 | 72·9 | +1 |

* Means of six days.
† Do. of five ,,

*Explanation.—Summary.*—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ... The humidity of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The ... are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during ... stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

## ...or the week ending Friday, the 18th of January 1889.

| Average humidity at 8 A.M. | Average cloud amount at 8 A.M. for week. | Rainfall of week at observing station. | DISTRICT OBSERVATIONS. RAINFALL. Of week. Mean for district. | Of week. Normal mean. | Since 1st of month. Mean for district. | Since 1st of month. Normal mean. | Since 1st of month. Variation. | Since 15th May 1888. Mean for district. | Since 15th May 1888. Normal mean. | Since 15th May 1888. Variation. | Average number of rainy days. | Normal number of rainy days. | Representative station. | District. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | 0 | Nil | Nil | 0·07 | Nil | 0·69 | −0·69 | 44·12 | 55·45 | −11·33 | 0·0 | 0·2 | Pooree ... | | |
| 71 | 0·7 | Nil | — | — | — | — | — | — | — | — | — | — | Gopalpore ... | Pooree ... ... ... | |
| 91 | 0·6 | Nil | — | — | — | — | — | — | — | — | — | — | False Point ... | | |
| 79 | 2·0 | Nil | Nil | 0·07 | Nil | 0·11 | −0·11 | 51·79 | 51·75 | +0·04 | 0·0 | 0·2 | Cuttack ... | Cuttack ... ... ... | Orissa. |
| 99 | 0 | Nil | Nil | 0·06 | Nil | 0·16 | −0·16 | 52·87 | 53·05 | −0·18 | 0·0 | 0·1 | Balasore ... | Balasore ... ... | |
| 96 | 1·1 | Nil | Nil | 0·08 | Nil | 0·17 | −0·17 | 54·99 | 62·13 | −7·14 | 0·0 | 0·2 | Saugor Island ... | South-West Midnapore | |
| | | | | | | | | | | | | | | South 24-Pergunnahs | |
| 82 | 0·6 | Nil | Nil | 0·10 | Nil | 0·26 | −0·26 | 61·49 | 51·32 | +10·17 | 0·0 | 0·3 | Midnapore ... | Midnapore ... ... | South-West Bengal. |
| | | | | | | | | | | | | | | 24-Pergunnahs ... ... | |
| 86 | 1·0 | Nil | Nil | 0·10 | Nil | 0·25 | −0·25 | 62·19 | 51·41 | +10·78 | 0·0 | 0·3 | Calcutta ... | Howrah ... ... | |
| | | | | | | | | | | | | | | Hooghly ... ... | |
| 81 | 7·7 | Nil | Nil | 0·05 | Nil | 0·12 | −0·12 | 55·02 | 46·43 | +9·19 | 0·0 | 0·2 | Burdwan ... | Burdwan ... ... | |
| 78 | 2·1 | Nil | Nil | 0·01 | Nil | 0·08 | −0·08 | 51·73 | 51·97 | −0·24 | 0·0 | 0·1 | Bankoora ... | Bankoora ... ... | |
| 75 | 3·1 | 0·13 | 0·27 | 0·12 | 0·27 | 0·22 | +0·05 | 56·76 | 51·39 | +5·37 | 1·0 | 0·3 | Raneegunge ... | Beerbhoom ... ... | |
| | | | | | | | | | | | | | | West Burdwan ... | |
| 96 | 5·0 | 0·24 | 0·30 | 0·14 | 0·30 | 0·24 | +0·06 | 47·12 | 50·36 | −3·24 | 1·0 | 0·3 | Berhampore ... | Moorshedabad ... ... | |
| 91 | 3·7 | Nil | Nil | 0·07 | Nil | 0·15 | −0·15 | 53·45 | 48·95 | +4·50 | 0·0 | 0·2 | Krishnaghur ... | Nuddea ... ... | |
| 94 | 1·6 | Nil | Nil | 0·10 | Nil | 0·22 | −0·22 | 43·89 | 52·96 | −9·07 | 0·0 | 0·2 | Jessore ... | Jessore ... ... | |
| | | | | | | | | | | | | | | Khoolna ... ... | |
| 87 | 2·0 | Nil | Nil | 0·11 | Nil | 0·19 | −0·19 | 125·77 | 113·30 | +12·47 | 0·0 | 0·3 | Chittagong ... | Chittagong ... ... | |
| | | | Nil | 0·03 | Nil | 0·19 | −0·19 | 72·40 | 81·15 | −8·75 | 0·0 | 0·1 | Demagiri ... | Chittagong Hill Tracts | |
| 97* | 0 | Nil | | 0·06 | Nil | 0·30 | 0·30 | 71·82 | 76·64 | −4·82 | 0·0 | 0·2 | Barrisal ... | Backergunge ... ... | |
| 83 | 3·3 | Nil | Nil | 0·06 | Nil | 0·43 | −0·43 | 105·76 | 106·90 | −1·14 | 0·0 | 0·2 | Noakholly ... | Noakholly ... ... | East Bengal. |
| 94 | 0 | Nil | Nil | 0·09 | Nil | 0·19 | −0·19 | 47·23 | 55·47 | −8·24 | 0·0 | 0·2 | Furreedpore ... | Furreedpore ... ... | |
| 89 | 2·7 | Nil | Nil | 0·06 | Nil | 0·17 | −0·17 | 55·43 | 59·60 | −4·17 | 0·0 | 0·2 | Dacca ... | Dacca ... ... | |
| 89 | 1·8 | Nil | 0·26 | 0·12 | 0·20 | 0·34 | −0·14 | 61·91 | 69·01 | −7·10 | 0·5 | 0·2 | Commillah ... | Tipperah ... ... | |
| 94 | 2·3 | 0·10 | 0·33 | 0·10 | 0·33 | 0·20 | +0·13 | 66·68 | 67·14 | −0·46 | 0·8 | 0·3 | Mymensingh ... | Mymensingh ... ... | |
| 91 | 0 | 0·31 | 0·34 | 0·11 | 0·34 | 0·17 | +0·17 | 43·97 | 57·04 | −13·07 | 1·0 | 0·3 | Bogra ... | Bogra ... ... | |
| 96 | 2·1 | 1·70 | 0·85 | 0·14 | 0·85 | 0·21 | +0·64 | 41·57 | 53·17 | −11·60 | 0·5 | 0·3 | Serajgunge ... | Pubna ... ... | |
| 91 | 0·9 | 0·33 | 0·70 | 0·14 | 0·70 | 0·32 | +0·38 | 45·70 | 53·70 | −8·00 | 1·0 | 0·3 | Rampore Beauleah | Rajshahye ... ... | |
| 93 | 3·0 | 0·46 | 0·30 | 0·13 | 0·30 | 0·23 | +0·07 | 40·61 | 53·98 | −13·37 | 1·0 | 0·3 | Maldah ... | Maldah ... ... | |
| 93 | 1·3 | 0·08 | 0·21 | 0·05 | 0·21 | 0·11 | +0·10 | 45·82 | 57·14 | −11·32 | 1·2 | 0·2 | Dinagepore ... | Dinagepore ... ... | North Bengal. |
| 91 | 0 | 0·20 | 0·18 | 0·08 | 0·18 | 0·17 | +0·01 | 56·04 | 73·52 | −17·48 | 1·0 | 0·2 | Rungpore ... | Rungpore ... ... | |
| 87 | 0 | Nil | Nil | 0·05 | Nil | 0·05 | −0·05 | 85·99 | 110·83 | −24·84 | 0·0 | 0·1 | Julpigoree ... | Julpigoree ... ... | |
| 87 | 3·4 | Nil | Nil | 0·13 | Nil | 0·23 | −0·23 | 98·08 | 120·72 | −22·64 | 0·0 | 0·4 | Darjeeling ... | Cooch Behar ... ... | |
| 91 | 2·3 | 0·15 | 0·07 | 0·09 | 0·07 | 0·15 | −0·09 | 47·86 | 58·33 | −10·47 | 0·6 | 0·2 | Purneah ... | Darjeeling Hill Tracts | |
| | | | | | | | | | | | | | | Purneah ... ... | |
| | | | 0·18 | 0·19 | 0·18 | 0·31 | −0·13 | 39·57 | 43·21 | −3·64 | 0·7 | 0·3 | Mozufferpore ... | North Bhagulpore ... | |
| 85 | 1·9 | 0·02 | 0·09 | 0·15 | 0·09 | 0·27 | −0·18 | 38·76 | 44·34 | −5·58 | 0·7 | 0·3 | Durbhunga ... | Mozufferpore ... ... | |
| 91 | 5·4 | 0·02 | Nil | 0·21 | Nil | 0·27 | −0·27 | 40·89 | 46·40 | −5·51 | 0·0 | 0·3 | Motihari ... | Durbhunga ... ... | North Behar. |
| 92 | 1·3 | 0·06 | 0·15 | 0·16 | 0·19 | 0·23 | −0·04 | 37·62 | 42·54 | −4·92 | 0·7 | 0·3 | Chupra ... | Chumparun ... ... | |
| 79 | 3·0 | Nil | | | | | | | | | | | | Sarun ... ... | |
| 79 | 3·9 | 0·01 | 0·03 | 0·21 | 0·03 | 0·33 | −0·30 | 41·94 | 39·72 | +2·22 | 0·7 | 0·4 | Dehree ... | | |
| 93 | 1·0 | 0·01 | | | | | | | | | | | Buxar ... | Shahabad ... ... | |
| 97 | 0·2 | Nil | | | | | | | | | | | Arrah ... | | |
| 94 | 5·0 | 0·04 | 0·06 | 0·18 | 0·06 | 0·28 | −0·22 | 40·32 | 41·36 | +8·26 | 0·5 | 0·3 | Gya ... | Gya ... ... | |
| | | | 0·08 | 0·16 | 0·08 | 0·25 | −0·17 | 46·79 | 41·02 | +5·77 | 0·5 | 0·3 | Bankipore ... | Patna ... ... | South Behar. |
| 96 | 1·6 | 0·34 | 0·22 | 0·12 | 0·22 | 0·19 | +0·03 | 48·50 | 42·81 | +5·69 | 1·6 | 0·3 | Bhagulpore ... | South Bhagulpore ... | |
| 97 | 0·7 | 0·19 | 0·16 | 0·06 | 0·16 | 0·16 | 0 | 52·40 | 50·59 | +1·81 | 0·5 | 0·2 | Doomka ... | Monghyr ... ... | |
| 93 | 7·7 | 0·16 | 0·23 | 0·07 | 0·23 | 0·28 | −0·05 | 56·34 | 50·15 | +6·19 | 0·8 | 0·2 | Hazaribagh ... | Sonthal Pergunnahs... | |
| 93 | 2·9 | 0·02 | 0·10 | 0·19 | 0·10 | 0·42 | −0·32 | 50·34 | 48·68 | +1·66 | 0·7 | 0·3 | Ranchi ... | Hazaribagh ... ... | |
| | | | 0·13 | 0·13 | 0·13 | 0·23 | −0·10 | 46·47 | 46·68 | −0·21 | 1·0 | 0·3 | | Lohardugga ... ... | |
| 92 | 1·9 | Nil | Nil | 0·14 | Nil | 0·26 | −0·26 | 40·44 | 51·10 | −10·66 | 0·0 | 0·4 | Chyebassa ... | Manbhoom ... ... | Chota Nagpore. |
| | | | | | | | | | | | | | | Singbhoom ... ... | |

* Mean of six days.

...ations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
...The means of the distri... are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the sub-divisional

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 18th of January 1889.

| Meteorological division. | District. | Station. | Rainfall. Saturday, 12th January 1889. | Sunday, 13th January. | Monday, 14th January. | Tuesday, 15th January. | Wednesday, 16th January. | Thursday, 17th January. | Friday, 18th January. | Total: Number of rainy days. | Total: Rainfall of week. | Total rainfall since 1st of month. | Average total rainfall from 1st of month. | Total rainfall since 15th May 1888. | Average rainfall from 1st May to date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Pooree | Pooree | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·01 | 41·07 | |
| | | Khurdah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 44·38 | |
| | | Banpur | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 36·78 | |
| | | False Point | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·20 | 54·24 | |
| | | *Gop* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | |
| | | *Pipli* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | |
| | Cuttack | Jagatsingpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·08 | 56·21 | |
| | | Banki | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 43·72 | |
| | | Cuttack | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 52·68 | |
| | | Kendrapara | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 45·21 | |
| | | Jajpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 61·15 | |
| | | *Dharmsala* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 56·98 | |
| | | *Salipore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | |
| | Balasore | Chandbali | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 51·05 | |
| | | Bhuddruck | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·08 | 48·51 | |
| | | Soroh | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·08 | 49·62 | |
| | | Balasore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | 56·98 | |
| | | Jellasore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·32 | 55·85 | |
| | | Baripodah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·22 | 54·18 | |
| | Midnapore | Contai | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 50·70 | |
| | | Saugor Island | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·15 | 52·09 | |
| | | Tumlook | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·18 | 61·80 | |
| | | Midnapore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·27 | 63·04 | |
| | | Ghattal | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·31 | 56·63 | |
| | | *Kukrahaty* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 65·28 | |
| | | *Heria* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 52·11 | |
| | | *Bhagwanpore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 49·91 | |
| | | *Garbeta* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 64·41 | |
| | 24-Pergunnahs | Diamond Harbour | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·23 | 57·18 | |
| | | *Canning Town* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 55·55 | |
| | | Alipore Jail | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·39 | 61·95 | |
| | | Barrackpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 61·56 | |
| | | Dum-Dum | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·29 | 63·74 | |
| | | Baraset | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 64·55 | |
| | | Buseerhat | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 61·31 | |
| | Howrah | Howrah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·26 | 65·57 | |
| | | Mohesreka (*Ooloberiah.*) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·33 | 58·78 | |
| | Hooghly | Serampore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·20 | 66·68 | |
| | | Hooghly | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | 66·73 | |
| | | Jehanabad | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 61·02 | |
| | Burdwan | Culna | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 60·27 | |
| | | Burdwan | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·04 | 46·49 | |
| | | Cutwa | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·20 | 60·08 | |
| | | Raneegunge | ..... | ..... | 0·18 | ..... | ..... | ..... | ..... | Nil | Nil | 0·18 | 0·14 | 57·18 | |
| | | *Mankur* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 0·18 | Nil | ? | 42·19 | |
| | Bankoora | Bankoora | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 48·55 | |
| | | Bishenpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 53·36 | |
| | | Maliara | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·06 | 49·98 | |
| | | Khatra | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 55·02 | |
| | | Indas | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 41·24 | |
| | | Kotalpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 46·84 | |
| | | Anda | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·81 | |
| | | Gangajalghati | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 56·17 | |
| | | *Kaipore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 55·17 | |
| | | *Sonamukhi* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 45·76 | |
| | Beerbhoom | Bh. Soory | ..... | ..... | 0·32 | ..... | ..... | ..... | ..... | 1 | 0·32 | 0·32 | 0·25 | 53·61 | |
| | | Hetampore | ..... | 0·28 | ..... | ..... | ..... | ..... | ..... | 1 | 0·28 | 0·28 | 0·27 | 47·40 | |
| | | Rampore Haut | ..... | ..... | 0·28 | ..... | ..... | ..... | ..... | 1 | 0·28 | 0·28 | 0·27 | 68·72 | |
| | | *Boipore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 61·55 | |
| | | *Murarai* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | |
| | Nuddea | Ranaghat | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 62·51 | |
| | | Kishnaghur | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 68·35 | |
| | | Chooadanga | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·17 | 52·23 | |
| | | Meherpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 47·90 | |
| | | Kooshtea | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | 36·23 | |
| | Khoolna | Satkhira | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 38·24 | |
| | | Bagirhat | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·31 | 50·37 | |
| | | Khoolna | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·31 | 48·49 | |
| | Jessore | Narali | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·22 | 29·99 | |
| | | Jessore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·23 | 56·51 | |
| | | Jhenidah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 35·04 | |
| | | Magoorah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·11 | 42·90 | |
| | | Bongong | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 40·00 | |
| | Moorshedabad | Kandi | ..... | ..... | 0·18 | ..... | ..... | ..... | ..... | 1 | 0·18 | 0·18 | 0·18 | 51·09 | |
| | | Berhampore | ..... | ..... | 0·24 | ..... | ..... | ..... | ..... | 1 | 0·24 | 0·24 | 0·30 | 41·19 | |
| | | Lalbagh | ..... | ..... | 0·08 | ..... | ..... | ..... | ..... | 1 | 0·08 | 0·08 | 0·05 | 40·31 | |
| | | Azimgunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | | | | 0·25 | ? | |
| | | Jungipore | ..... | ..... | 0·82 | ..... | ..... | ..... | ..... | 1 | 0·82 | 0·82 | 0·30 | 46·30 | |
| | | Laigola | ..... | ..... | 0·25 | ..... | ..... | ..... | ..... | 1 | 0·25 | 0·25 | 0·37 | 51·00 | |
| | | *Jiagunge* | ..... | ..... | 0·20 | ..... | ..... | ..... | ..... | 1 | 0·20 | 0·20 | ? | 46·67 | |
| | | *Akariganj* | ..... | ..... | 0·20 | ..... | ..... | ..... | ..... | 1 | 0·20 | 0·20 | ? | 46·51 | |
| | | *Patkabari* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 43·79 | |
| East Bengal | Chittagong | Cox's Bazar | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 146·44 | |
| | | Chittagong | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | 165·08 | |
| | | *Kutubdia* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 116·99 | |
| | | *Satkanya* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 91·41 | |
| | Chittagong Hill Tracts. | Rangamati | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 74·85 | |
| | | Runa | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 69·95 | |
| | Backergunge | Patuakhally | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·33 | 85·69 | |
| | | Perozepore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 61·30 | |
| | | Burrisal | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·30 | 69·29 | |
| | | Bhola | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·21 | 74·07 | |

## ...tatement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 18th of January 1889 —contd.

| ...ological ...vision. | District. | Station. | Rainfall. Saturday, 12th January 1889. | Sunday, 13th January. | Monday, 14th January. | Tuesday, 15th January. | Wednesday, 16th January. | Thursday, 17th January. | Friday, 18th January. | Total. Number of rainy days. | Total. Rainfall of week. | Total rainfall since 1st of month. | Average total rainfall from 1st of month. | Total rainfall since 15th May 1888. | Average rainfall from 15th May to date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ...BENGAL ...ecid. | | *Gournaddi* .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 49·28 | ? |
| | | *Banphai* .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 98·35 | ? |
| | Noakholly | Noakholly .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·31 | 106·99 | 107·51 |
| | | Fenny .. | ..... | ..... | ... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·54 | 104·53 | 106·26 |
| | | *Harishpore* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 129·82 | ? |
| | | *Ramganj* .. | ..... | ..... | ... ... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 88·28 | ? |
| | Furreedpore | Madaripore .. | ..... | ..... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | 0·29 | 45·71 | 55·52 |
| | | Furreedpore .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·08 | 52·01 | 56·00 |
| | | Goalundo .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 43·98 | 53·70 |
| | Dacca ... | Munshiganje .. | ..... | ..... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | 0·20 | 61·04 | 69·82 |
| | | Dacca .. | ..... | ..... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | 0·20 | 52·36 | 58·23 |
| | | Narainganj .. | ..... | ..... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | 0·07 | 62·60 | 59·36 |
| | | Manickganj .. | ..... | ..... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | 0·21 | 45·74 | 49·81 |
| | | *Joydebpore* .. | ..... | ..... | 0·20 | ..... | ..... | ..... | ..... | 1 | 0·20 | 0·20 | ? | 59·08 | ? |
| | Bill Tipperah | Agartola .. | ..... | ..... | 0·42 | ... | ... | ..... | ..... | 1 | 0·42 | 0·42 | 0·38 | 53·90 | 61·41 |
| | Tipperah ... | Comilla .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·34 | 68·91 | 75·61 |
| | | Chandpore .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·22 | 56·55 | 77·69 |
| | | Brahmanberia .. | ..... | ..... | 0·39 | ..... | ..... | ..... | ..... | 1 | 0·39 | 0·39 | 0·41 | 69·16 | 60·88 |
| | | *Ramchandra pore.* | ..... | ..... | ..... | ... | ... | ..... | ..... | Nil | Nil | Nil | ? | 60·16 | ? |
| | | *Nasirnagar* ... | ... | .... | 0·25 | ..... | ... | ..... | ..... | 1 | 0·25 | 0·25 | ? | 58·69 | ? |
| | | *Daudkandi* .. | ..... | ..... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | ? | 64·18 | ? |
| | | *Kasba* .. | ... | ..... | 0·32 | ..... | ..... | ..... | ..... | 1 | 0·32 | 0·32 | ? | 56·60 | ? |
| | | *Lakshan* .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 78·02 | ? |
| | Mymensingh .. | Kishoreganj .. | ..... | ..... | 0·65 | ..... | ... | ..... | ..... | 1 | 0·65 | 0·65 | 0·38 | 83·28 | 69·88 |
| | | Atia (*Tangail*) | ..... | ..... | 0·72 | ..... | ... | ..... | ..... | 1 | 0·72 | 0·72 | 0·20 | 38·56 | 55·17 |
| | | Mymensingh .. | ..... | ..... | 0·11 | ..... | ... | ..... | ..... | 1 | 0·11 | 0·11 | 0·16 | 69·35 | 73·70 |
| | | Jamalpore .. | ... | ..... | 0·15 | ..... | ... | ..... | ..... | 1 | 0·15 | 0·15 | 0·20 | 64·80 | 64·97 |
| | | Netrokona .. | ..... | ..... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | 0·05 | 77·39 | 71·68 |
| | | *Subornakhali* .. | ..... | ..... | 1·00 | ..... | ... | ..... | ..... | 1 | 1·00 | 1·00 | ? | 61·76 | ? |
| | | *Durgapore* ... | ..... | ... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 107·91 | ? |
| | | *Sherepore town* | ..... | 0·10 | ..... | ..... | ..... | ..... | ..... | 1 | 0·10 | 0·10 | ? | ? | ? |
| | | *Dewanganj* .. | ..... | 0·42 | .. ... | ..... | ..... | ..... | ..... | 1 | 0·42 | 0·42 | ? | 55·14 | ? |
| | Pubna ... | Pubna ... | ..... | ..... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | 0·19 | 39·66 | 55·68 |
| | | Serajgunge ... | ..... | ..... | 1·70 | ..... | ..... | ..... | ..... | 1 | 1·70 | 1·70 | 0·22 | 43·47 | 52·56 |
| | Bogra | Sherpore ... | ..... | ..... | 0·61 | ..... | ..... | ..... | ..... | 1 | 0·61 | 0·61 | 0·19 | 41·84 | 57·64 |
| | | Nowkhilla ... | ..... | ..... | 0·15 | ..... | ..... | ..... | ..... | 1 | 0·15 | 0·15 | 0·18 | 49·38 | 54·55 |
| | | Bogra ... | ..... | ..... | 0·38 | ..... | ..... | ..... | ..... | 1 | 0·38 | 0·38 | 0·19 | 41·28 | 60·34 |
| | | Panchbibi ... | ..... | ..... | 0·21 | ..... | ..... | ..... | ..... | 1 | 0·21 | 0·21 | 0·11 | 43·42 | 55·56 |
| | Rajshahye | Beauleah .. | ..... | ..... | 0·38 | ..... | ..... | ..... | ..... | 1 | 0·38 | 0·38 | 0·26 | 31·45 | 52·77 |
| | | Nattore .. | ..... | ..... | 1·03 | ..... | ..... | ..... | ..... | 1 | 1·03 | 1·03 | 0·37 | 59·96 | 54·68 |
| | | *Naogaon* .. | ..... | ..... | 0·41 | ..... | ..... | ..... | ..... | 1 | 0·41 | 0·41 | ? | 56·38 | ? |
| | | *Lalpore* ... | ..... | ..... | ... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 38·75 | ? |
| | | *Manda* .. | ..... | ..... | 0·52 | ..... | ..... | ..... | ..... | 1 | 0·52 | 0·52 | ? | 30·16 | ? |
| | Maldah ... | Maldah .. | ..... | ..... | 0·48 | ..... | ..... | ..... | ..... | 1 | 0·48 | 0·48 | 0·21 | 48·14 | 51·49 |
| | | Chanchal .. | ..... | ..... | 0·13 | ..... | ..... | ..... | ..... | 1 | 0·13 | 0·13 | 0·25 | 33·06 | 56·44 |
| | | *Gajol* ... | ..... | 0·09 | ..... | ..... | ..... | ..... | ..... | 1 | 0·09 | 0·09 | ? | 37·08 | ? |
| | | *Sibganj* .. | ..... | ..... | 0·07 | ..... | ..... | ..... | ..... | 1 | 0·07 | 0·07 | ? | 45·73 | ? |
| | Dinagepore ... | Mohadebpore .. | ..... | 0·51 | ..... | ..... | ..... | ..... | ... | 1 | 0·55 | 0·55 | 0·14 | 37·99 | 58·19 |
| | | Churamon .. | ..... | 0·10 | 0·08 | ..... | ..... | ..... | ..... | 1 | 0·18 | 0·18 | 0·01 | 46·15 | 52·82 |
| | | Raigange .. | ..... | ..... | 0·12 | ..... | ..... | ..... | ..... | 1 | 0·12 | 0·12 | 0·16 | 49·29 | 58·87 |
| | | Dinagepore .. | ..... | ..... | 0·06 | ..... | ..... | ..... | ..... | 1 | 0·06 | 0·06 | 0·15 | 56·86 | 63·74 |
| | | Balurghat .. | ..... | ..... | 0·16 | ..... | ..... | ..... | ..... | 1 | 0·16 | 0·16 | 0·06 | 38·83 | 53·16 |
| | | Thakoorgaon .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 42·98 | ? |
| | Rungpore ... | Bhawanigunge (*Gyabanda*) | ..... | ..... | 0·18 | ..... | ..... | ... | ..... | 1 | 0·18 | 0·18 | 0·20 | 45·43 | 61·47 |
| | | Rungpore .. | ..... | ..... | 0·22 | ..... | ..... | ..... | ..... | 1 | 0·22 | 0·22 | 0·17 | 51·84 | 74·24 |
| | | Kurigram .. | ..... | ..... | 0·12 | ..... | ... | ..... | ..... | 1 | 0·12 | 0·12 | 0·15 | 73·66 | 73·18 |
| | | Bagdogra .. | ..... | ..... | 0·18 | ..... | ... | ..... | ..... | 1 | 0·18 | 0·18 | 0·17 | 53·13 | 84·87 |
| | | (*Nilphamari*) | | | | | | | | | | | | | |
| | | *Ulipore* .. | ..... | ..... | ..... | ... | ... | ... | ..... | Nil | Nil | Nil | ? | 54·40 | ? |
| | Julpigoree ... | Julpigoree .. | ..... | ..... | ..... | ... | ... | ... | ..... | Nil | Nil | Nil | 0·11 | 103·76 | 117·25 |
| | | *Alipore Doa* | ..... | ..... | ..... | ... | ... | ... | ..... | Nil | Nil | Nil | / | 79·66 | ? |
| | | *Fallacotta* .. | ... | ..... | ..... | ... | ... | ... | ..... | Nil | Nil | Nil | ? | 90·07 | ? |
| | | *Debiganj* .. | ..... | ..... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | ? | 60·34 | ? |
| | Cooch Behar | Dinhatta .. | ..... | ..... | ..... | ... | ..... | ..... | ..... | Nil | Nil | Nil | 0·04 | 89·79 | 92·57 |
| | | Cooch Behar .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 89·26 | 118·19 |
| | | Mickliganje .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | Nil | 74·60 | 107·78 |
| | | Matabhanga ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 72·54 | 116·51 |
| | Darjeeling Hill. | Buxa .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·51 | 155·36 | 102·18 |
| | | Siliguri .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·61 | 81·57 | 103·05 |
| | | Darjeeling .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·30 | 87·17 | 108·40 |
| | | Kalimpong .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·07 | 68·22 | 82·52 |
| | Purneah | Kissengunge ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·16 | 47·38 | 70·04 |
| | | Arrareah .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·17 | 50·92 | 63·47 |
| | | Purneah .. | ..... | ..... | 0·15 | ..... | ... | ..... | ..... | 1 | 0·15 | 0·15 | 0·11 | 44·04 | 61·07 |
| | | *Gondwara* ... | ..... | 0·18 | ..... | ..... | ..... | ..... | ..... | 1 | 0·18 | 0·18 | ? | ? | ? |
| | | *Balarampore* | ..... | ..... | ..... | 0·13 | ... | ..... | ..... | 1 | 0·13 | 0·13 | ? | ? | ? |
| | | *Mattari* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | ? |
| | | *Kaliaganj* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 57·69 | ? |
| | North Bhaugalpore. | Maddapur .. | ..... | ..... | 0·16 | ..... | ..... | ..... | ..... | 1 | 0·16 | 0·16 | 0·20 | 55·77 | 49·43 |
| | | Soopool ... | ..... | 0·04 | ..... | ..... | ..... | ..... | ..... | 1 | 0·04 | 0·04 | 0·13 | 41·19 | 48·90 |
| | | *Protabganj* .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·78 | ? |
| | Durbhunga | Tajpore ... | ..... | 0·25 | ..... | ..... | ..... | ..... | ..... | 1 | 0·25 | 0·25 | 0·36 | 40·35 | 42·92 |
| | | Durbhunga ... | ..... | 0·02 | ..... | ..... | ..... | ..... | ..... | 1 | 0·02 | 0·02 | 0·16 | 35·23 | 45·62 |
| | | Madhubani ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·29 | 40·74 | 44·74 |
| | | *Rahera* ... | ..... | 0·06 | ..... | ..... | ..... | ..... | ..... | 1 | 0·06 | 0·06 | ? | 51·06 | ? |
| | | *Koshera* ... | ..... | 0·36 | ..... | ..... | ..... | ..... | ..... | 1 | 0·36 | 0·36 | ? | 43·22 | ? |
| | Mozufferpore | Sitamarhi ... | ..... | ..... | 0·03 | ..... | ..... | ..... | ..... | 1 | 0·03 | 0·03 | 0·28 | 31·74 | 49·99 |
| | | Mozufferpore .. | ..... | 0·50 | ..... | ..... | ..... | ..... | ..... | 1 | 0·50 | 0·50 | 0·37 | 41·45 | 45·30 |
| | | Hajipore ... | ..... | ..... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | 0·28 | 45·50 | 41·69 |
| | | *Pars* ... | ..... | 0·35 | ..... | ..... | ..... | ..... | ..... | 1 | 0·35 | 0·35 | ? | 37·07 | ? |
| | | *Mahuo* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 36·09 | ? |
| | | *Sonhar* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 28·27 | ? |
| | | *Pupri* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 23·16 | ? |
| | Champarun ... | Motihari ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·28 | 36·14 | 44·38 |
| | | Bettiah ... | ..... | ... | ..... | ..... | ... | ..... | ..... | Nil | Nil | Nil | 0·26 | 45·38 | 48·32 |
| | | *Bagaha* ... | ..... | 0·09 | ..... | ..... | ..... | ..... | ..... | 1 | 0·09 | 0·09 | ? | 52·09 | ? |
| | | *Barbursa* ... | ..... | 0·05 | ..... | ..... | ..... | ..... | ..... | 1 | 0·05 | 0·05 | ? | 38·71 | ? |

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 18th of January 1889—co

| Meteorological Division. | District. | Station. | Rainfall. Saturday, 12th January 1889. | Sunday, 13th January. | Monday, 14th January. | Tuesday, 15th January. | Wednesday, 16th January. | Thursday, 17th January. | Friday, 18th January. | Total: Number of rainy days. | Total: Rainfall week. | Total rainfall since 1st of month. | Average total rainfall from 1st of month. | Total rainfall since 15th May 1888. | A... in... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| North Behar —*concluded.* | Saran | Gopalganj | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·06 | 36·00 | |
| | | Sewan | ..... | 0·48 | ..... | ..... | ..... | ..... | ..... | 1 | 0·48 | 0·48 | 0·37 | 41·06 | |
| | | Chuprah | ..... | 0·10 | ..... | ..... | ..... | ..... | ..... | 1 | 0·10 | 0·10 | 0·26 | 35·29 | |
| South Behar | Shahabad | Buxar | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·46 | 40·74 | |
| | | Dehree | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·23 | 43·48 | |
| | | Bhubooah | ..... | 0·10 | ..... | ..... | ..... | ..... | ..... | 1 | 0·10 | 0·10 | 0·39 | 40·27 | |
| | | Sasseram | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 41·73 | |
| | | Arrah | ..... | 0·03 | ..... | ..... | ..... | ..... | ..... | 1 | 0·05 | 0·05 | 0·23 | 43·49 | |
| | | *Mohania* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 33·28 | |
| | Gya | Aurungabad | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·28 | 33·32 | |
| | | Gya | ..... | ..... | 0·18 | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·23 | 51·34 | |
| | | Nowadah | ..... | 0·05 | ..... | ..... | ..... | ..... | ..... | 1 | 0·18 | 0·18 | 0·25 | 48·03 | |
| | | Jehanabad | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 0·05 | 0·05 | 0·37 | 45·34 | |
| | | *Arwal* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·59 | |
| | | *Daudnagar* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 42·39 | |
| | | *Sherghati* | ..... | ..... | 0·10 | ..... | ..... | ..... | ..... | 1 | 0·10 | 0·10 | ? | 132·04 | |
| | | *Rajauli* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·01 | |
| | | *Pakri Narawan* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·06 | |
| | Patna | Patna | ..... | 0·04 | ..... | ..... | ..... | ..... | ..... | 1 | 0·04 | 0·04 | 0·29 | 39·06 | |
| | | Dinapore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·26 | 41·79 | |
| | | Behar | ..... | 0·28 | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·28 | 51·93 | |
| | | Barh | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 0·28 | 0·28 | 0·16 | 53·85 | |
| | | *Bickram* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 38·00 | |
| | | *Hilsa* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 45·91 | |
| | Monghy | Begoosera | ..... | 0·21 | 0·03 | ..... | ..... | ..... | ..... | 2 | 0·24 | 0·24 | 0·22 | 46·31 | |
| | | Monghyr | ..... | 0·12 | 0·02 | ..... | ..... | ..... | ..... | 2 | 0·14 | 0·14 | 0·15 | 53·73 | |
| | | Jamui | ..... | ..... | 0·27 | ..... | ..... | ..... | ..... | 1 | 0·27 | 0·27 | 0·24 | 49·08 | |
| | | *Gogri* | ..... | 0·32 | ..... | ..... | ..... | ..... | ..... | 1 | 0·32 | 0·32 | ? | 58·91 | |
| | | *Sheikpura* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 58·18 | |
| | South Bhagulpore | Bhaugulpore | ..... | 0·21 | 0·16 | ..... | ..... | ..... | ..... | 2 | 0·37 | 0·37 | 0·15 | 53·37 | |
| | | Banka | ..... | ..... | 0·10 | ..... | ..... | ..... | ..... | 1 | 0·19 | 0·19 | 0·23 | 39·99 | |
| | | *Kolgong* | ..... | 0·01 | 0·18 | ..... | ..... | ..... | ..... | 2 | 0·19 | 0·19 | ? | 50·07 | |
| | Sonthal Pergunnahs | Rajmehal | ..... | ..... | 0·46 | ..... | ..... | ..... | ..... | 1 | 0·46 | 0·46 | 0·33 | 46·02 | |
| | | Godda | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 47·64 | |
| | | Pakour | ..... | ..... | 0·19 | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·05 | 61·53 | |
| | | Nya Doomka | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 0·19 | 0·19 | 0·36 | 51·46 | |
| | | Deoghur | ..... | ..... | 0·39 | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·29 | 51·39 | |
| | | Jamtara | ..... | ..... | 0·06 | ..... | ..... | ..... | ..... | 1 | 0·30 | 0·30 | 0·16 | 53·81 | |
| | | *Mohagama* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 0·06 | 0·06 | ? | ? | |
| | | *Namtara* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 28·23 | |
| Chutia Nagpur. | Hazaribagh | Pachamba (*Giridi*). | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 55·43 | |
| | | Hazaribagh | ..... | ..... | 0·16 | ..... | ..... | ..... | ..... | 1 | 0·16 | 0·16 | 0·30 | 54·01 | |
| | | Somtagurah | ..... | 0·47 | ..... | ..... | ..... | ..... | ..... | 1 | 0·47 | 0·47 | 0·19 | 59·39 | |
| | | Mahudi Hills | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·39 | 54·31 | |
| | | Jhoomrah Hills | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·33 | 62·12 | |
| | | *Barhi* | ..... | ..... | ..... | 0·45 | ..... | ..... | ..... | 1 | 0·43 | 0·43 | ? | 49·06 | |
| | | *Chatra* | ..... | ..... | 0·10 | ..... | ..... | ..... | ..... | 1 | 0·10 | 0·10 | ? | 53·93 | |
| | | *Karagdeha* | ..... | ..... | 0·10 | ..... | ..... | ..... | ..... | 1 | 0·10 | 0·10 | ? | 51·93 | |
| | | *Kamghar* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 40·33 | |
| | Lohardugga | Lohardugga | ..... | ..... | 0·02 | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·60 | 46·47 | |
| | | Ranchi | ..... | ..... | 0·29 | ..... | ..... | ..... | ..... | 1 | 0·02 | 0·02 | 0·27 | 52·84 | |
| | | Palamow | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 0·29 | 0·29 | 0·39 | 51·74 | |
| | | *Silli* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | |
| | | *Balumat* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 42·43 | |
| | | *Hosseinabad* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | |
| | | *Garwah* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 45·03 | |
| | Singbhoom | Chyebassa | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·26 | 40·44 | |
| | | *Chakradharpore.* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 54·05 | |
| | | *Ghatsilla* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 54·29 | |
| | | *Baharagura* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 58·33 | |
| | Manbhoom | Purulia | ..... | ..... | ..... | 0·12 | ..... | ..... | ..... | 1 | 0·12 | 0·12 | 0·15 | 56·03 | |
| | | Gobindpore | ..... | ..... | 0·12 | ..... | ..... | ..... | ..... | 1 | 0·12 | 0·12 | 0·28 | 56·30 | |
| | | *Jagannathpore.* | ..... | ..... | 0·09 | ..... | ..... | ..... | ..... | 1 | 0·09 | 0·09 | ? | 53·92 | |
| | | *Barrabhoom* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 50·61 | |
| | | *Jhalda* | | | | | | | | | | | | | |
| | | *Chas* | | | | | | | | | | | | | |

*Explanation.*—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 22nd January* 1889.

## SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 18TH JANUARY 1889.

At the end of the previous week the barometer was falling at all stations. On the 12th a brisk fall of pressure occurred over the greater part of the province which resulted in the formation of a shallow but distinct low-pressure area over Central and West Bengal and over the greater part of Behar. In consequence of this depression moist southerly winds set in over the north of the Bay and the neighbouring districts, though northerly winds still continued to blow in the centre and south of the Bay. With the reversal of the winds in Bengal temperature increased very rapidly in the southern districts and became abnormally high, while at the same time humidity became very high, and in some cases the air was almost saturated with moisture. On the 13th pressure rose briskly in Bengal and the shallow depression filled up, but still southerly winds continued to blow at most of the stations near the sea coast. At this time also it would appear that the disturbed conditions which had been travelling south-eastwards along the line of the Himalayas existed over the hills to the north of Bengal, and there is little doubt that the southerly moist winds blowing from the head of the Bay went to feed this disturbance, for on the 13th fairly general rain was reported over almost the whole of Behar, and on the 14th the rainfall had extended over considerable parts of North Bengal and Chutia Nagpur and to a few districts in Central and East Bengal. The disturbance, however, rapidly passed away, and on the 15th practically no rain was reported from any station. The rainfall was decidedly heaviest in North Bengal, but falls exceeding an inch were only received at two or three stations. Notwithstanding the filling up of the depression and the disappearance of the disturbance, light and rather variable, but usually southerly winds still continued to blow at the head of the Bay for several days, and temperature in South Bengal continued to increase, while humidity remained very high, and these conditions remained almost unchanged over this district until the close of the week. Northerly winds were, however, commencing to blow from the middle of the week in North Bengal and North Behar, and were slowly driving back the moist southerly winds which prevailed in South Bengal; and thus while at the close of the week conditions over the north of the province were normal for the cold weather, very abnormal conditions as to temperature and humidity prevailed over the whole of South Bengal.

*Pressure.*—Pressure has been slightly in defect over almost the whole province, a few stations only in East Bengal and Chutia Nagpur reporting slight excess. On the 12th a very abnormal distribution occurred. There was a general fall, in some cases amounting to nearly a tenth of an inch, in South Bengal, and causing there a slight depression, which decidedly influenced the wind directions and weather during the whole of the week. On Sunday, the 13th, the depression began to fill up, though, owing to a slight fall on the following day, the normal distribution was not restored till about the middle of the week. Though pressure has been highest over Orissa, there has been a slight defect there. The largest defect is in South-West Bengal in the neighbourhood of Calcutta, where it amounts to about ·05 inch. The principal changes have thus been the general fall reported on Saturday, 12th, and, with some exceptions, a slight steady rise until the last day of the week, when there was again a general fall.

*Temperature.*—The main feature in the temperature changes during the week was the extraordinarily rapid rise which took place from the 11th to the 12th at the southern stations, and from the 12th to the 13th further inland. The rise was most rapid in South-West Bengal, where at several stations the minimum temperature increased 10° and upwards in the 24 hours. Temperature also continued generally to increase in all districts except the north of the province, and thus the average temperature for the week for the greater part of the province has been largely in excess. The excess in the mean temperature for the week in South-West Bengal has been nearly 7°, while in Chutia Nagpur it has been nearly 8°. Smaller excess temperatures have been registered in all other districts except North Behar, where a defect of 1·4° is registered.

The general range of temperature during the week and its large variation from that usually obtaining at this season is shown in the table below, where the average maximum, minimum and mean temperatures at nine typical stations in different districts of the province are given, compared with the normal values for the same period:—

*Table showing the excess or defect of the actual mean temperature from the normal for the week ending the 18th of January 1889.*

| | Normal mean maximum temperature for the week ending 18th January. | Actual mean maximum temperature for the week ending 18th January 1889. | Variation of actual mean from the normal. | Normal mean minimum temperature for the week ending 18th January. | Actual mean minimum temperature for the week ending 18th January 1889. | Variation of actual mean from the normal. | Normal mean daily temperature for the week ending 18th January. | Actual mean daily temperature for the week ending 18th January 1889. | Variation of actual mean from the normal. |
|---|---|---|---|---|---|---|---|---|---|
| Cuttack | 83·5 | 90·0 | +6·5 | 60·8 | 60·7 | +0·4 | 71·9 | 75·4 | +3·5 |
| Calcutta | 76·9 | 82·6 | +5·7 | 56·4 | 63·8 | +7·4 | 66·7 | 73·2 | +6·5 |
| Dacca | 77·8 | 82·2 | +4·4 | 54·4 | 60·4 | +6·0 | 66·1 | 71·3 | +5·2 |
| Burdwan | 77·8 | 84·9 | +7·1 | 53·2 | 60·3 | +7·1 | 65·5 | 72·6 | +7·1 |
| Patna | 72·3 | 76·2 | +3·9 | 49·2 | 54·1 | +4·9 | 60·8 | 65·2 | +4·4 |
| Gya | 75·2 | 81·8 | +6·6 | 50·7 | 57·8 | +7·1 | 63·0 | 69·8 | +6·8 |
| Purneah | 74·6 | 76·6 | +2·0 | 48·6 | — | — | 61·6 | — | — |
| Hazaribagh | 72·6 | 79·9 | +7·3 | 50·6 | 59·0 | +8·4 | 61·6 | 69·5 | +7·9 |
| Darjeeling | 44·4 | 48·6 | +4·2 | 35·6 | 36·5 | +0·9 | 40·0 | 42·6 | +2 |

*Rainfall.*—The average rainfall in North Bengal during the week has equalled nearly three-tenths of an inch, while in East Bengal, Behar, and Chutia Nagpur it has averaged from one to two-tenths. In South-West Bengal the average fall has been smaller than this, while Orissa has been rainless. Taking up the rainfall district by district, the following districts have received an average fall from half to one inch:—Pubna and Rajshahye; the following falls averaging from a quarter to half an inch:—Beerbhoom, Moorshedabad, Mymensing, Bogra and Maldah; and the following falls from a tenth to a quarter of an inch:—Comillah, Dinagepore, Rungpore, Mozufferpore, Sarun, Bhagulpore, Sonthal Pergunnahs, Lohardugga, and Manbhoom.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 18th of January 1889:—

| Meteorological Divisions. | Temperature | | | | | | Rainfall | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest observed during week. | Lowest observed during week. | Averages for week. | | | Average mean of week above or below normal mean of week. | Of week. | | | Rainy days. | | | Since 1st of month. | | Since 15th May 1888. | |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | | Average. | Normal average. | Variation. | Average number in week. | Normal average number in week. | Variation. | Average. | Normal average. | Average. | Normal average. |
| Orissa ... ... ... | 90·9 | 55·5 | 84·1 | 61·4 | 72·8 | +3·2 | Nil | 0·06 | −0·06 | 0·0 | 0·2 | −0·2 | Nil | 0·12 | 50·48 | 53·22 |
| South-West Bengal ... | 90·3 | 50·1 | 83·6 | 61·3 | 72·5 | +0·4 | 0·06 | 0·09 | −0·03 | 0·2 | 0·2 | 0 | 0·06 | 0·20 | 54·58 | 51·74 |
| East Bengal ... ... | 85·6 | 52·5 | 78·2 | 58·4 | 68·3 | +3·9 | 0·10 | 0·08 | +0·02 | 0·2 | 0·2 | 0 | 0·10 | 0·24 | 70·67 | 73·99 |
| North Bengal ... ... | 81·3 | 45·9 | 75·3 | 53·9 | 64·6 | +1·9 | 0·29 | 0·08 | +0·21 | 0·3 | 0·2 | +0·6 | 0·29 | 0·15 | 53·48 | 70·17 |
| North Behar ... ... | 79·7 | 44·2 | 67·4 | 52·3 | 59·8 | −1·4 | 0·11 | 0·15 | −0·04 | 0·6 | 0·3 | +0·3 | 0·11 | 0·24 | 41·72 | 48·42 |
| South Behar ... ... | 84·5 | 48·9 | 78·9 | 55·3 | 67·1 | +5·1 | 0·12 | 0·14 | −0·02 | 0·7 | 0·3 | +0·4 | 0·12 | 0·24 | 48·31 | 43·54 |
| Chutia Nagpur ... ... | *82·3* | *50·4* | *80·4* | *58·2* | *69·3* | +7·8 | 0·16 | 0·12 | +0·04 | 0·7 | 0·4 | +0·3 | 0·16 | 0·30 | 50·33 | 49·21 |

* Chyebasa not included.

Meteorological Office, Bengal;
*The 22nd January* 1889.

A. Pedler,
*Offg. Meteorological Reporter to the Govt. of Bengal.*

## Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 13th to 19th January 1889.

| Month. | Date. | Temperature. | | | | Mean wet bulb. | Hygrometry. | | | Rain. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean. | Maximum. | Range. | Minimum. | | Vapour tension. | Dew point. | Humidity. | |
| 1889. | | ° | ° | ° | ° | ° | Inches. | ° | % | Inches. |
| January ... | 13th ... | 72·9 | 85·4 | 25·6 | 64·8 | 69·0 | ·657 | 66·7 | 81 | Nil. |
| ,, ... | 14th ... | 74·8 | 84·9 | 17·9 | 67·0 | 68·6 | ·617 | 64·9 | 72 | ,, |
| ,, ... | 15th ... | 74·2 | 84·9 | 19·1 | 65·9 | 69·4 | ·656 | 66·7 | 77 | ,, |
| ,, ... | 16th ... | 74·0 | 84·8 | 20·4 | 64·4 | 68·5 | ·625 | 65·3 | 74 | ,, |
| ,, ... | 17th ... | 74·3 | 85·1 | 21·7 | 63·4 | 68·6 | ·624 | 65·3 | 73 | ,, |
| ,, ... | 18th ... | 73·7 | 85·4 | 22·0 | 63·4 | 68·3 | ·621 | 65·1 | 74 | ,, |
| ,, ... | 19th ... | 75·2 | 87·0 | 22·1 | 64·9 | 68·3 | ·609 | 64·1 | 68 | ,, |

| | | |
|---|---|---|
| The mean temperature of the seven days | ... | 74·2 |
| The extreme variation of temperature | ... | 23·6 |
| The maximum temperature | ... | 87·0 |
| The mean relative humidity | ... | % 74 |
| The total fall of rain from 13th to 19th January 1889 | ... | Inches. Nil |

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

Meteorological Office, India;
*The 21st January* 1889.

A. Pedler,
*For Offg. Meteorological Reporter to the Govt. of India.*

## Results of the Meteorological Observations taken at the Alipore Observatory from 13th to 19th January 1889.

| Month. | Date. | Maximum in sun. | Number of Hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rain. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1889. | | ○ | | Inches. | ○ | ○ | ○ | ○ | ○ | Inches | ○ | % | | | Inches. | |
| Jan. | 13th | 136·9 | 7·2 | 29·953 | 72·5 | 83·6 | 18·5 | 65·1 | 68·1 | 0·631 | 65·6 | 80 | SW, WSW and SSW | 75 | Nil | Partially cloudy, ≡, ⌓. |
| " | 14th | 136·6 | 8·7 | ·973 | 73·1 | 83·5 | 17·0 | 66·5 | 68·1 | ·624 | 65·2 | 78 | SSW, WSW and SW by W. | 75 | " | Chiefly cloudy. |
| " | 15th | 134·0 | 8·5 | 30·006 | 73·0 | 82·1 | 18·0 | 64·1 | 68·0 | ·620 | 65·1 | 78 | NW by W, ESE and variable. | 26 | " | Partially cloudy, ○. |
| " | 16th | 137·4 | 9·1 | ·029 | 72·5 | 82·5 | 19·0 | 63·5 | 67·4 | ·606 | 64·4 | 78 | SSE, W by S, and variable. | 40 | " | Partially cloudy, ≡, ⌓. |
| " | 17th | 136·1 | 8·8 | ·034 | 72·4 | 84·5 | 21·9 | 62·6 | 67·1 | ·595 | 63·8 | 77 | WNW and calm ... | 41 | " | Chiefly cloudy, ≡, ⌓. |
| " | 18th | 133·2 | 8·2 | ·012 | 72·0 | 84·1 | 21·8 | 62·3 | 67·0 | ·599 | 64·0 | 78 | W by N, N and calm | 34 | " | Chiefly clear, ≡, ⌓. |
| " | 19th | 137·0 | 9·5 | ·005 | 73·6 | 85·6 | 23·5 | 62·1 | 67·4 | ·589 | 63·6 | 74 | SW by S and N ... | 69 | " | Chiefly clear, ≡, ⌓. |

| | | |
|---|---|---|
| | | Inches. |
| The mean pressure of the seven days ... ... ... ... | | 30·002 |
| The average pressure of the corresponding period for 24 years, S. G.'s Office ... | | 30·022 |
| | | Hours. |
| The total number of hours of bright sunshine ... ... ... | | 60·0 |
| The maximum possible number of hours of sunshine ... ... ... | | 76·0 |
| | | ○ |
| The mean temperature of the seven days ... ... ... ... | | 72·7 |
| The average temperature of the corresponding period for 24 years, S. G.'s Office | | 67·4 |
| The extreme variation of temperature ... ... ... ... | | 23·5 |
| The maximum temperature ... ... ... ... ... | | 85·6 |
| | | Miles. |
| The highest velocity of the wind in one hour ... ... ... | | 9 |
| | | lbs. |
| The highest pressure of wind on one square foot ... ... ... | | Instrument under repair. |
| | | % |
| The mean relative humidity ... ... ... ... ... | | 78 |
| The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... ... ... ... ... ... | | 70 |
| | | Inches |
| The total fall of rain from 13th to 19th January 1889 ... | | Nil |
| The average fall of the corresponding period for 24 years, S. G.'s Office ... | | 0·03 |
| The total fall from 1st to 19th January 1889 ... ... ... | | Nil |
| The average fall of the corresponding period for 24 years, S. G.'s Office ... | | 0·14 |

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

○ overcast, ≡ fog, ⌓ dew.

A. PEDLER,
*For Offg. Meteorological Reporter to the Govt. of India.*

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
*Calcutta, the 21st January 1889.*

## MEMORANDUM.

FROM the annexed table exhibiting the vital statistics of the principal municipalities in Bengal for the week ending 5th January 1889, it appears—

1. That during the week in question births and deaths were registered in the proportions, respectively, of 25·4 and 28·9 per 1,000 of population, as opposed to 23·6 and 29·6 per 1,000, respectively, during the preceding week ending 29th December 1888, indicating an improvement in the registration of births.

2. That births and deaths were recorded at the highest rates from the following municipalities:—

| *Births.* | Ratio per *mille.* | *Deaths.* | Ratio per *mille.* |
|---|---|---|---|
| Utterpara | 56·6 | Suburbs of Calcutta | 59·6 |
| Monghyr | 41·6 | Serampore | 45·1 |
| Howrah | 37·8 | Utterpara | 37·7 |
| Puri | 37·8 | Naraingunj | 37·3 |
| Naraingunj | 37·3 | Puri | 35·7 |
| Chupra | 36·1 | Rampore Beauleah | 34·2 |
| Rampore Beauleah | 34·2 | Burdwan | 33·6 |
| Darjiling | 32·6 | Darjiling | 32·6 |
| Durbhanga | 32·3 | Howrah | 29·2 |
| Bhagulpore | 30·8 | | |
| Gya | 30·1 | | |
| Ranaghat | 29·9 | | |

3. That the only noticeable point, in connection with the incidence of the specific death-causes in comparison with the outcome of the preceding week, is a sensible abatement in the mortality from cholera, *vide* subjoined table:—

| | Ratio per *mille* during the weeks ending— | |
|---|---|---|
| | 5th January 1889. | 29th December 1888. |
| Cholera | 2·7 | 3·7 |
| Small-pox | ·2 | ·1 |
| Fever | 11·3 | 11·3 |
| Bowel-complaints | 5·3 | 5·0 |
| Injury | ·5 | ·4 |
| Other causes | 8·9 | 9·0 |

4. That no municipalities suffered much from small-pox, or presented a large number of casualties from injury. The following municipalities returned high death-rates from the other diseases specified in the foregoing table:—

| *Cholera.* | Ratio per *mille.* | *Fever.* | Ratio per *mille.* | *Bowel-complaints.* | Ratio per *mille.* | *Other causes.* | Ratio per *mille.* |
|---|---|---|---|---|---|---|---|
| Naraingunj | 16·6 | Rampore Beauleah | 26·3 | Serampore | 13·7 | Puri | 25·2 |
| Suburbs of Calcutta | 7·7 | Suburbs of Calcutta | 22·1 | Suburbs of Calcutta | 13·0 | Suburbs of Calcutta | 15·7 |
| Mozufferpore | 4·9 | | | | | Midnapore | 15·5 |
| Howrah | 4·0 | | | | | Serampore | 13·7 |
| | | | | | | Howrah | 10·9 |
| | | | | | | Gya | 10·9 |

5. That under the heads of *Sex*, *Class* and *Age*, the mortality stood as follows:—

| *According to Sex.* | Ratio per *mille.* | *According to Class.* | Ratio per *mille.* | *According to Age.* | Ratio per *mille.* |
|---|---|---|---|---|---|
| Males | 32·4 | Christians | 30·4 | Under 1 year | 197·2 |
| Females | 25·0 | Hindús | 29·3 | 1 and under 5 years | 30·8 |
| Ratio of male deaths to every 100 female deaths | 146 | Mahomedans | 28·4 | 5 „ 10 „ | 9·9 |
| | | | | 10 „ 15 „ | 9·5 |
| | | | | 15 „ 20 „ | 15·7 |
| | | | | 20 „ 30 „ | 18·4 |
| | | | | 30 „ 40 „ | 21·0 |
| | | | | 40 „ 50 „ | 24·3 |
| | | | | 50 „ 60 „ | 39·3 |
| | | | | 60 years and upwards | 93·7 |

W. H. GREGG, *Dip. Publ. Health, Camb.*,
*Offg. Sanitary Commissioner for Bengal.*

*The 21st January* 1889.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|

| DISTRICTS. | NAMES OF MUNICIPALITIES. | POPULATION. | | | BIRTHS. | | | | | | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Disease. | | | | | | | | | | | | | | | | Sex. | | | | |
| | | | | | Number of— | | | Ratio per 1,000 of population per annum. | | | | Deaths from— | | | | | | | Ratio per 1,000 of population per annum. | | | | | | | Ratio of deaths per 1,000 of population per annum in the previous week. | Deaths. | | Ratio per 1,000 of population per annum. | | Ratio of male deaths to every 100 female deaths. |
| | | Males. | Females. | Total. | Males. | Females. | Total. | Males. | Females. | Total. | Ratio of male births to every 100 female births. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | | Males. | Females. | Males. | Females. | |
| Burdwan ... ... | Burdwan ... ... ... | 18,063 | 16,017 | 34,080 | 6 | 8 | 14 | 9·2 | 12·2 | 21·4 | 75 | ... | ... | 11 | 5 | ... | 6 | 22 | ... | ... | 16·8 | 7·6 | ... | 9·2 | 33·6 | 36·6 | 11 | 11 | 31·7 | 35·7 | 100 |
| Midnapore ... | Midnapore ... ... ... | 16,927 | 16,633 | 33,560 | 4 | 2 | 6 | 6·2 | 3·1 | 9·3 | 200 | ... | ... | 3 | 5 | ... | 10 | 18 | ... | ... | 4·6 | 7·7 | ... | 15·5 | 27·9 | 32·5 | 9 | 9 | 27·6 | 28·1 | 100 |
| Hughli ... ... | Hughli and Chinsurah ... | 19,179 | 19,539 | 38,718 | 8 | 12 | 20 | 10·7 | 16·1 | 26·9 | 66 | 1 | ... | 5 | 5 | 1 | 3 | 15 | 1·3 | ... | 6·7 | 6·7 | 1·3 | 4·0 | 20·1 | 29·5 | 5 | 10 | 13·6 | 26·6 | 50 |
| Serampore ... ... | Serampore ... ... ... | 13,559 | 12,937 | 26,496 | 8 | 5 | 13 | 15·7 | 9·8 | 25·5 | 160 | 3 | ... | 4 | 7 | 2 | 7 | 23 | 5·9 | ... | 7·9 | 13·7 | 3·9 | 13·7 | 45·1 | 41·2 | 13 | 10 | 49·9 | 40·2 | 130 |
| | Utterpara ... ... ... | 3,046 | 2,464 | 5,510 | 4 | 2 | 6 | 37·7 | 18·9 | 56·6 | 200 | 1 | ... | ... | 2 | ... | 1 | 4 | 9·4 | ... | ... | 18·9 | ... | 9·4 | 37·7 | 56·6 | 3 | 1 | 51·2 | 21·1 | 300 |
| Howrah ... ... | Howrah ... ... ... | 53,153 | 37,660 | 90,813 | 42 | 24 | 66 | 24·0 | 13·7 | 37·8 | 175 | 7 | ... | 11 | 10 | 4 | 19 | 51 | 4·9 | ... | 6·3 | 5·7 | 2·3 | 10·9 | 29·2 | 18·3 | 28 | 23 | 27·4 | 31·8 | 121 |
| | Bali ... ... ... | 7,836 | 6,979 | 14,815 | ... | 4 | 4 | ... | 14·0 | 14·0 | No male birth. | 1 | ... | 1 | 2 | ... | ... | 4 | 5·5 | ... | 3·5 | 7·0 | ... | ... | 14·0 | 10·5 | 4 | ... | 26·5 | ... | No female death. |
| 24-Pergunnahs ... | Suburbs of Calcutta ... | 147,205 | 104,234 | 251,439 | 50 | 63 | 113 | 10·3 | 13·9 | 23·4 | 79 | 37 | 2 | 107 | 63 | 3 | 76 | 288 | 7·7 | ·4 | 22·1 | 13·0 | ·3 | 15·7 | 59·6 | 54·8 | 185 | 103 | 65·4 | 51·4 | 179 |
| Nuddea ... ... | Kishnaghur ... ... ... | 13,263 | 14,214 | 27,477 | 5 | 5 | 10 | 9·4 | 9·4 | 18·9 | 100 | 2 | ... | 6 | ... | ... | 5 | 13 | 3·8 | ... | 11·4 | ... | ... | 9·4 | 24·6 | 24·6 | 9 | 4 | 35·3 | 14·6 | 225 |
| | Ranaghat ... ... ... | 4,028 | 4,655 | 8,683 | 3 | 2 | 5 | 17·9 | 12·0 | 29·9 | 150 | ... | ... | ... | 1 | ... | ... | 1 | ... | ... | ... | 6·0 | ... | ... | 6·0 | ..... | ... | 1 | ... | 11·2 | No male death. |
| | Santipore ... ... ... | 13,708 | 15,979 | 29,687 | 5 | 2 | 7 | 8·8 | 3·5 | 12·3 | 250 | 1 | ... | 6 | 1 | ... | 3 | 11 | 1·7 | ... | 10·5 | 1·7 | ... | 5·3 | 19·3 | 43·8 | 7 | 4 | 26·6 | 13·0 | 175 |
| Jessore ... ... | Jessore ... ... ... | 4,830 | 3,665 | 8,495 | ... | 1 | 1 | ... | 6·1 | 6·1 | No male birth. | 1 | ... | ... | ... | ... | ... | 1 | 6·1 | ... | ... | ... | ... | ... | 6·1 | 18·4 | 1 | ... | 19·8 | ... | No female death. |
| Rajshahye ... ... | Rampore Beauleah ... | 10,706 | 9,025 | 19,791 | 6 | 7 | 13 | 15·8 | 18·4 | 34·2 | 85 | ... | ... | 10 | 1 | ... | 2 | 13 | ... | ... | 26·3 | 2·6 | ... | 5·3 | 34·2 | 44·7 | 11 | 2 | 53·1 | 11·5 | 550 |
| Darjiling ... ... | Darjiling* ... ... ... | 5,929 | 2,947 | 7,976 | 3 | 2 | 5 | 19·6 | 13·0 | 32·6 | 150 | ... | ... | 3 | 1 | ... | 1 | 5 | ... | ... | 19·6 | 6·5 | ... | 6·5 | 32·6 | 13·0 | 5 | ... | 51·7 | ... | No female death. |
| Dacca ... ... | Dacca ... ... ... | 42,782 | 37,379 | 80,161 | 20 | 15 | 35 | 13·9 | 9·7 | 23·7 | 133 | 3 | ... | 9 | 7 | ... | 12 | 31 | 1·9 | ... | 5·8 | 4·5 | ... | 7·8 | 20·1 | 28·5 | 18 | 13 | 21·9 | 18·1 | 138 |
| | Narsinganj ... ... | 7,605 | 4,956 | 12,561 | 6 | 3 | 9 | 24·8 | 12·4 | 37·3 | 200 | 4 | ... | 2 | 2 | ... | 1 | 9 | 16·6 | ... | 8·3 | 8·3 | ... | 4·1 | 37·3 | 53·8 | 7 | 2 | 47·9 | 21·0 | 350 |
| Chittagong ... ... | Chittagong ... ... ... | 13,340 | 8,790 | 22,130 | 3 | 2 | 5 | 7·0 | 4·7 | 11·7 | 150 | ... | ... | 3 | ... | ... | 3 | 6 | ... | ... | 7·0 | ... | ... | 7·0 | 14·1 | 18·8 | 5 | 1 | 19·5 | 5·9 | 500 |
| Tipperah ... ... | Comillah ... ... ... | 8,153 | 5,353 | 13,506 | 2 | 2 | 4 | 7·7 | 7·7 | 15·4 | 100 | ... | ... | 4 | 1 | ... | 1 | 6 | ... | ... | 15·4 | 3·8 | ... | 3·8 | 23·1 | 15·4 | 5 | 1 | 31·9 | 9·7 | 500 |
| Patna ... ... | Patna City ... ... ... | 78,762 | 81,475 | 160,237 | 42 | 21 | 63 | 13·6 | 6·8 | 20·4 | 200 | 2 | ... | 25 | 7 | 1 | 12 | 47 | ·6 | ... | 8·1 | 2·3 | ·3 | 3·9 | 15·3 | 20·8 | 20 | 27 | 13·2 | 17·2 | 74 |
| Gya ... ... | Gya ... ... ... | 38,290 | 37,831 | 76,121 | 27 | 17 | 44 | 18·4 | 11·6 | 30·1 | 158 | 3 | .. | 22 | 1 | ... | 16 | 42 | 2·0 | ... | 15·0 | ·7 | ... | 10·9 | 28·7 | 32·1 | 25 | 17 | 34·0 | 23·4 | 147 |
| Shahabad ... ... | Arrah ... ... ... | 20,960 | 22,505 | 43,465 | 7 | 6 | 13 | 8·4 | 7·2 | 15·6 | 116 | ... | ... | 5 | 1 | 1 | 1 | 8 | ... | ... | 6·0 | 1·2 | 1·2 | 1·2 | 9·6 | 15·2 | 5 | 3 | 12·4 | 6·9 | 166 |
| Mozufferpore ... | Mozufferpore ... ... | 23,084 | 19,658 | 42,742 | 7 | 5 | 12 | 8·5 | 6·1 | 14·6 | 140 | 4 | ... | 1 | 2 | ... | 8 | 15 | 4·9 | ... | 1·2 | 2·4 | ... | 9·7 | 18·2 | 3·7 | 10 | 5 | 22·5 | 13·2 | 200 |
| Durbhanga ... | Durbhanga ... ... ... | 33,774 | 32,322 | 66,096 | 21 | 20 | 41 | 16·5 | 15·7 | 32·3 | 105 | ... | ... | 22 | 5 | ... | 4 | 31 | ... | ... | 17·3 | 3·9 | ... | 8·1 | 24·4 | 19·7 | 14 | 17 | 21·6 | 27·3 | 82 |
| Sarun ... ... | Chupra ... ... ... | 26,044 | 27,205 | 53,249 | 23 | 14 | 37 | 22·4 | 13·7 | 36·1 | 164 | ... | 2 | 4 | 4 | 1 | 10 | 21 | ... | 1·9 | 3·9 | 3·9 | 1·0 | 9·8 | 20·5 | 19·5 | 13 | 8 | 26·0 | 15·3 | 162 |
| Bhagulpore ... | Bhagulpore ... ... ... | 29,640 | 27,813 | 57,453 | 21 | 13 | 34 | 19·0 | 11·8 | 30·8 | 161 | ... | ... | 8 | ... | ... | 6 | 14 | ... | ... | 7·2 | ... | ... | 5·4 | 12·7 | 15·4 | 7 | 7 | 12·3 | 13·1 | 100 |
| Monghyr ... ... | Monghyr ... ... ... | 28,154 | 29,366 | 57,520 | 28 | 18 | 46 | 25·3 | 16·3 | 41·6 | 155 | ... | ... | 8 | 1 | ... | 6 | 15 | - | ... | 7·2 | ·9 | ... | 5·4 | 13·6 | 15·4 | 6 | 9 | 11·1 | 15·9 | 66 |
| Purneah ... ... | Purneah ... ... ... | 8,463 | 6,553 | 15,016 | 2 | ... | 2 | 6·9 | ... | 6·9 | No female birth. | ... | ... | 4 | ... | ... | 1 | 5 | ... | ... | 13·8 | ... | ... | 3·5 | 17·3 | 13·9 | 4 | 1 | 24·6 | 7·9 | 400 |
| Puri ... ... | Puri ... ... ... | 13,247 | 11,537 | 24,784 | 6 | 12 | 18 | 12·6 | 25·2 | 37·8 | 50 | ... | ... | 4 | 1 | ... | 12 | 17 | ... | ... | 8·4 | 2·1 | ... | 25 2 | 35·7 | 44·1 | 8 | 9 | 31·4 | 40·6 | 88 |
| | TOTAL ... | 702,890 | 619,691 | 1,322,581 | 359 | 287 | 646 | 14·1 | 11·3 | 25·4 | 125 | 70 | 4 | 283 | 135 | 13 | 226 | 736 | 2·7 | ·2 | 11·3 | 5·3 | ·5 | 8·9 | 28·9 | 29·6 | 438 | 298 | 32·4 | 25·0 | 146 |

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

| DISTRICTS. | NAMES OF MUNICIPALITIES. | 13 | | | | | 14 | | | | | 15 | | | | | | | | | | 16 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Class. | | | | | | | | | | Age. | | | | | | | | | | | | | | | | | | | |
| | | DEATHS AMONG— | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | DEATHS. | | | | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | | |
| | | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. |
| Burdwan ... ... | Burdwan ... ... ... ... | ... | 17 | 5 | ... | ... | ... | 37·3 | 25·3 | ... | ... | 4 | ... | 1 | ... | 2 | 5 | ... | 2 | 5 | 3 | 315·2 | ..... | 22·3 | ..... | 33·3 | 32·8 | ..... | 23·5 | 105·9 | 105·3 |
| Midnapore ... ... | Midnapore ... ... ... ... | ... | 15 | 3 | ... | ... | ... | 30·1 | 21·6 | ... | ... | 8 | 1 | ... | ... | ... | 3 | ... | 3 | ... | 3 | 559·9 | 22·1 | ... .. | ..... | ..... | 21·2 | ..... | 41·9 | ..... | 85·2 |
| Hughli ... ... | Hughli and Chinsurah ... ... | ... | 12 | 3 | ... | ... | ... | 19·7 | 22·9 | ... | ... | 3 | 1 | ... | 1 | ... | 2 | 1 | 1 | 2 | 4 | 165·4 | 19·5 | ..... | 17·2 | ..... | 13·6 | 7·4 | 10·1 | 31·8 | 83·0 |
| Serampore ... ... | Serampore ... ... ... ... | ... | 21 | 2 | ... | ... | ... | 43·3 | 110·9 | ... | ... | 3 | 2 | ... | 1 | ... | 1 | 11 | 3 | 1 | 1 | 219·7 | 57·6 | ..... | 23·4 | ..... | 9·7 | 115·0 | 46·2 | 27·2 | 37·4 |
| | Utterpara ... ... ... ... | ... | 4 | ... | ... | ... | ... | 39·1 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 2 | 1 | ... | ..... | 247·0 | ..... | ..... | ..... | ..... | ..... | 148·4 | 141·3 | ..... |
| Howrah ... ... | Howrah ... ... ... ... | ... | 33 | 18 | ... | ... | ... | 25·2 | 45·6 | ... | ... | 13 | 5 | 1 | 2 | ... | 8 | 5 | 5 | 4 | 8 | 327·7 | 46·9 | 8·3 | 15·8 | ..... | 13·3 | 13·5 | 22·1 | 37·9 | 116·9 |
| | Bali ... ... ... ... | ... | 3 | 1 | ... | ... | ... | 11·6 | 39·7 | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | 1 | 1 | 143·6 | ..... | ..... | ..... | ..... | .. ... | 18·6 | ..... | 49·6 | 71·0 |
| 24-Pergunnahs ... | Suburbs of Calcutta ... | 5 | 187 | 96 | ... | ... | 64·2 | 64·9 | 51·7 | ... | ... | 35 | 34 | 6 | 7 | 14 | 45 | 43 | 25 | 29 | 50 | 382·0 | 109·4 | 15·8 | 20·3 | 40·4 | 40·3 | 43·4 | 38·3 | 88·9 | 182·6 |
| Nuddea ... ... | Kishnaghur ... ... ... | 1 | 4 | 8 | ... | ... | 91·7 | 11·2 | 50·2 | ... | ... | 1 | ... | 1 | 1 | ... | 2 | 1 | 2 | 1 | 4 | 104·8 | ..... | 15·1 | 18·5 | .. ... | 21·6 | 12·1 | 31·9 | 24·7 | 129·4 |
| | Ranaghat ... ... ... | ... | 1 | ... | ... | ... | ... | 7·1 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 251·2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Santipore ... ... ... | ... | 8 | 3 | ... | ... | ... | 20·1 | 17·4 | ... | ... | 2 | 2 | 1 | ... | 1 | ... | 1 | 2 | ... | 2 | 123·1 | 35·9 | 13·8 | ..... | 23·4 | ..... | 12·0 | 29·6 | ..... | 53·0 |
| Jessore ... ... | Jessore ... ... ... ... | ... | 1 | ... | ... | ... | ... | 11·5 | . | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ..... | ..... | 65·6 | ... .. | ..... | ..... | ..... | ..... | .. ... | ..... |
| Rajshahye ... | Rampore Beauleah ... ... | ... | 6 | 7 | ... | ... | ... | 31·5 | 37·1 | ... | ... | ... | ... | ... | 1 | 1 | 2 | 4 | 4 | 1 | ... | ..... | ..... | ..... | 28·9 | 31·3 | 25·0 | 57·7 | 84·8 | 41·9 | ..... |
| Darjiling ... ... | Darjiling ... ... ... ... | ... | 5 | ... | ... | ... | ... | 56·6 | ... | ... | ... | 1 | ... | ... | ... | ... | 3 | 1 | ... | ... | ... | 429·8 | ..... | ..... | ..... | ..... | 78·0 | 36·3 | ..... | ..... | ..... |
| Dacca ... ... | Dacca ... ... ... ... | ... | 19 | 12 | ... | ... | ... | 24·5 | 15·9 | ... | ... | 4 | 5 | 2 | 1 | 1 | 6 | 3 | 3 | ... | 6 | 109·6 | 35·3 | 10·5 | 6·5 | 7·1 | 8·4 | 13·4 | 15·6 | ..... | 56·0 |
| | Narainganj ... ... ... | ... | 3 | 6 | ... | ... | ... | 24·7 | 50·6 | ... | ... | 2 | ... | ... | ... | 2 | 1 | 2 | ... | 1 | 1 | 372·8 | ..... | ..... | ..... | 99·5 | 19·5 | 43·5 | ..... | 66·4 | 79·8 |
| Chittagong ... ... | Chittagong ... ... ... | 1 | 1 | 4 | ... | ... | 65·3 | 9·0 | 13·6 | ... | ... | ... | ... | 1 | 1 | ... | ... | 1 | 1 | ... | 2 | ..... | ..... | 20·8 | 20·2 | ..... | ..... | 15·6 | 23·0 | ..... | 130·7 |
| Tipperah ... ... | Comillah ... ... ... ... | ... | 6 | ... | ... | ... | ... | 52·5 | ... | ... | ... | ... | 1 | ... | ... | 1 | ... | 1 | ... | 3 | ... | ..... | 39·8 | ..... | ..... | 41·3 | ..... | 26·1 | ..... | 194·8 | ..... |
| Patna ... ... | Patna City ... ... ... ... | ... | 34 | 13 | ... | ... | ... | 14·9 | 16·5 | ... | ... | 3 | 2 | 3 | 2 | 3 | 2 | 8 | 5 | 4 | 15 | 36·2 | 7·1 | 9·3 | 7·2 | 14·0 | 5·6 | 17·9 | 13·8 | 14·7 | 56·5 |
| Gya ... ... | Gya ... ... ... ... | ... | 38 | 4 | ... | ... | ... | 33·9 | 12·9 | ... | ... | 7 | 2 | ... | 1 | 1 | 5 | 2 | 5 | 5 | 14 | 203·4 | 16·4 | ..... | 7·7 | 9·9 | 17·7 | 8·2 | 26·6 | 39·6 | 141·4 |
| Shahabad ... ... | Arrah ... ... ... ... | ... | 3 | 5 | ... | ... | ... | 5·0 | 21·0 | ... | ... | 4 | 1 | ... | ... | ... | ... | ... | ... | ... | 3 | 161·5 | 11·7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 54·1 |
| Mozufferpore ... | Mozufferpore ... ... ... | ... | 9 | 6 | ... | ... | ... | 15·6 | 25·0 | ... | ... | 1 | 1 | 1 | 1 | ... | 2 | 1 | 1 | 2 | 5 | 54·5 | 13·9 | 11·6 | 13·1 | ..... | 12·1 | 7·5 | 10·4 | 32·0 | 106·8 |
| Durbhanga ... | Durbhanga ... ... ... ... | ... | 28 | 3 | ... | ... | ... | 30·1 | 8·9 | ... | ... | 7 | 3 | 3 | ... | 2 | 2 | 2 | ... | 3 | 9 | 233·8 | 20·5 | 19·9 | ..... | 25·9 | 7·8 | 9·3 | ..... | 35·6 | 146·5 |
| Saran ... ... | Chupra ... ... ... ... | ... | 12 | 9 | ... | ... | ... | 15·2 | 38·9 | ... | ... | 6 | 2 | 1 | ... | ... | 1 | 1 | 3 | 3 | 4 | 216·1 | 19·6 | 8·4 | ..... | ..... | 5·5 | 6·4 | 24·9 | 37·0 | 59·8 |
| Bhagulpore ... | Bhagulpore ... ... ... ... | ... | 12 | 2 | ... | ... | ... | 15·7 | 6·0 | ... | ... | 2 | ... | 1 | ... | ... | 4 | ... | 2 | 2 | 3 | 87·1 | ..... | 8·9 | ..... | ..... | 19·0 | ..... | 16·2 | 24·4 | 43·3 |
| Monghyr ... ... | Monghyr ... ... ... ... | ... | 13 | 2 | ... | ... | ... | 15·1 | 8·3 | ... | ... | 4 | ... | ... | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 140·1 | ..... | ..... | 18·1 | 13·8 | 5·0 | 5·8 | 8·2 | 13·1 | 58·0 |
| Purneah ... ... | Purneah ... ... ... ... | ... | 3 | 2 | ... | ... | ... | 17·0 | 18·4 | ... | ... | ... | ... | 1 | ... | 1 | 1 | 1 | ... | ... | 1 | ..... | ..... | 32·9 | ..... | 52·3 | 15·8 | 18·2 | ..... | ..... | 64·4 |
| Puri ... ... | Puri ... ... ... ... | ... | 17 | ... | ... | ... | ... | 36·0 | ... | ... | ... | 3 | 2 | 1 | ... | ... | ... | 1 | 5 | 3 | 2 | 514·9 | 57·9 | 23·2 | ..... | ..... | ..... | 12·8 | 78·2 | 69·9 | 57·6 |
| | TOTAL ... | 7 | 515 | 214 | ... | ... | 30·4 | 23·3 | 28·4 | ... | ... | 115 | 65 | 25 | 21 | 30 | 96 | 92 | 75 | 72 | 145 | 197·2 | 39·8 | 9·9 | 9·5 | 15·7 | 18·4 | 21·0 | 24·3 | 39·3 | 83·7 |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL;
The 21st January 1889.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

## CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 19th January 1889, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 19th January 1889. | | | Week ending Saturday, the 21st January 1888. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... ... | 1,803 | 4,62,560 | 8,717 | 1,851 | 4,43,486 | 7,952 |
| Jute ... ... | 211 | 1,34,950 | 2,401 | 137 | 95,275 | 1,666 |
| Firewood ... ... | 167 | 75,425 | 1,167 | 142 | 80,035 | 1,178 |
| Other articles ... ... | 1,169 | 2,36,615 | 3,754 | 839 | 1,75,962 | 2,820 |
| Total ... | 3,350 | 9,09,550 | 16,039 | 2,969 | 7,94,758 | 13,616 |

# Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for the first* 12 *days of January* 1889, *on* 1,513¾ *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-Miles R | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | T |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... | 384,287 | 4,00,992 13 0 | 50,96,198 10 | 10,96,819 9 0 | 29,458 5 0 | 15,87,270 11 0 | 111,953¾ | 169,175¾ | 2 |
| Or per mile of railway ... ... | ..... | 304 8 7 | ..... | 724 9 2 | 19 7 4 | 1,048 9 1 | ..... | ..... | |
| For previous weeks of half-year ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| Total for 12 days ... | 384,287 | 4,00,992 13 0 | 50,96,198 10 | 10,96,819 9 0 | 29,458 5 0 | 15,87,270 11 0 | 111,953¾ | 169,175¾ | 2 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 2 weeks of previous year ... | 520,648½ | 6,20,089 10 10 | 56,07,339 10 | 13,37,878 6 9 | 42,001 7 10 | 19,99,969 9 5 | 131,901 | 209,480 | 3 |
| Per mile of railway corresponding period of previous year ... | ..... | 409 10 3 | ..... | 883 13 1 | 27 11 11 | 1,321 3 3 | ..... | ..... | |
| Total to corresponding date of previous year ... ... ... | 520,648½ | 6,20,089 10 10 | 56,07,339 10 | 13,37,878 6 9 | 42,001 7 10 | 19,99,969 9 5 | 131,901 | 209,480 | 3 |

*Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated* 23*rd July* 1883.

| Receipts for 2 weeks ending 14th January 1888. | | | Receipts for the first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1889. | To decre 188 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | R |
| 1,513¾ | 19,99,970 | 1,321 | 1,513¾ | 15,87,271 | 1,049 | 1,513¾ | 3,53,58,735 | 570 | 1,513¾ | 3,39,03,550 | 546 | ..... | 14 |

## PATNA-GYA STATE RAILWAY.

*Approximate Return of Traffic for the first* 12 *days of January* 1889, *on* 57½ *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-Miles | |
|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| Total traffic for the period ... | 21,961 | 11,618 14 0 | 44,623 30 | 2,895 8 0 | 46 5 0 | 14,560 11 0 | 3,038 | 1,066 |
| Or per mile of railway ... ... | 384 | 203 2 0 | 780 10 | 50 9 11 | 0 13 0 | 254 8 11 | ..... | ..... |
| For previous weeks of half-year ... ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 12 days... ... | 21,961 | 11,618 14 0 | 44,623 30 | 2,895 8 0 | 46 5 0 | 14,560 11 0 | 3,038 | 1,066 |
| COMPARISON. | | | | | | | | |
| Total for corresponding 2 weeks of previous year ... ... ... | 26,358 | 13,269 2 11 | 66,604 20 | 3,960 13 0 | 105 3 3 | 17,335 3 2 | 3,656 | 1,122 |
| Per mile of railway corresponding period of previous year ... | 461 | 231 15 8 | 1,164 20 | 69 3 11 | 1 13 5 | 303 1 0 | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 26,358 | 13,269 2 11 | 66,604 20 | 3,960 13 0 | 105 3 3 | 17,335 3 2 | 3,656 | 1,122 |

*Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated* 23*rd July* 1883.

| Receipts for 2 weeks ending 14th January 1888. | | | Receipts for the first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1889. | To decre 188 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | R | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | |
| 57½ | 17,335 | 303 | 57½ | 14,561 | 255 | 57½ | 3,97,491 | 169 | 57½ | 3,82,560 | 163 | ..... | |

## DILDARNAGAR-GHAZIPUR STATE RAILWAY.

*Approximate Return of Traffic for the first* 12 *days of January* 1889, *on* 12 *miles open.*

| | Coaching Traffic | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... | 4,085 | 700 1 0 | 43,163 0 | 1,041 2 0 | 12 2 0 | 1,753 5 0 | 604 | 242 | 846 |
| Or per mile of railway ... ... | ..... | 58 5 5 | ..... | 86 12 2 | 1 0 2 | 146 1 9 | ..... | ..... | ..... |
| For previous weeks of half-year ... ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 12 days ... ... | 4,085 | 700 1 0 | 43,163 0 | 1,041 2 0 | 12 2 0 | 1,753 5 0 | 604 | 242 | 846 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 2 weeks of previous year ... ... ... | 6,658 | 1,097 13 1 | 45,177 20 | 1,010 14 0 | 17 14 6 | 2,126 9 7 | 646 | 34 | 986 |
| Per mile of railway correspond-ing period of previous year ... | ..... | 91 7 9 | ..... | 84 3 10 | 1 7 11 | 177 3 6 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 6,658 | 1,097 13 1 | 45,177 20 | 1,010 14 0 | 17 14 6 | 2,126 9 7 | 646 | 340 | 986 |

*Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July* 1883.

| Receipts for 2 weeks ending 14th January 1888. | | | Receipts for the first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 11 | 2,127 | 177 | 12 | 1,753 | 146 | 12 | 37,647 | 77 | 12 | 35,864 | 73 | ..... | 1,783 |

## SINDIA STATE RAILWAY.

*Approximate Return of Traffic for the first* 12 *days of January* 1889, *on* 74⅛ *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... | 8,493 | 6,225 3 0 | 1,67,486 30 | 6,156 4 0 | 114 12 0 | 12,496 3 0 | 1,091 | 1,349⅛ | 2,440⅛ |
| Or per mile of railway ... ... | ..... | 83 3 7 | ..... | 82 4 10 | 1 8 7 | 167 1 0 | ..... | ..... | ..... |
| For previous weeks of half-year ... ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 12 days ... | 8,493 | 6,225 3 0 | 1,67,486 30 | 6,156 4 0 | 114 12 0 | 12,496 3 0 | 1,091 | 1,349⅛ | 2,440⅛ |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 2 weeks of previous year ... ... ... | 8,577⅛ | 6,356 4 7 | 1,84,038 30 | 10,445 2 0 | 217 0 3 | 17,018 6 10 | 1,330 | 3,162 | 4,492 |
| Per mile of railway correspond-ing period of previous year ... | ..... | 84 15 8 | ..... | 139 10 3 | 2 14 5 | 227 8 4 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 8,577⅛ | 6,356 4 7 | 1,84,038 30 | 10,445 2 0 | 217 0 3 | 17,018 6 10 | 1,330 | 3,162 | 4,492 |

*Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July* 1883.

| Receipts for 2 weeks ending 14th January 1888. | | | Receipts for the first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 74⅛ | 17,018 | 228 | 74⅛ | 12,496 | 167 | 74⅛ | 3,52,748 | 115 | 74⅛ | 2,76,998 | 90 | ..... | 75,750 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for the first* 12 *days of January* 1889, *on* 22½ *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... | 30,815 | 7,913 6 0 | 14,231 30 | 497 6 0 | 12 5 0 | 8,423 1 0 | 1,554 | 105 | 1,659 |
| Or per mile of railway ... ... | ..... | 355 19 6 | ..... | 22 5 8 | 0 8 10 | 378 9 0 | ..... | ..... | ..... |
| For previous weeks of half-year ... ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 12 days ... | 30,815 | 7,913 6 0 | 14,231 30 | 497 6 0 | 12 5 0 | 8,423 1 0 | 1,554 | 105 | 1,659 |
| Comparison. | | | | | | | | | |
| Total for corresponding 2 weeks of previous year ... ... ... | 33,987½ | 8,372 15 6 | 14,639 30 | 456 6 0 | 11 3 0 | 8,840 8 6 | 1,723 | 213 | 1,936 |
| Per mile of railway corresponding period of previous year ... | ..... | 376 5 0 | ..... | 20 8 2 | 0 8 1 | 397 5 3 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 33,987½ | 8,372 15 6 | 14,639 30 | 456 6 0 | 11 3 0 | 8,840 8 6 | 1,723 | 213 | 1,936 |

*Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated* 23*rd July* 1883.

| Receipts for 2 weeks ending 14th January 1888. | | | Receipts for the first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 22½ | 8,841 | 397 | 22½ | 8,423 | 379 | 22½ | 2,02,039 | 222 | 22½ | 2,11,803 | 232 | 9,734 | ..... |

## NALHATI STATE RAILWAY.

*Approximate Return of Traffic for the first* 12 *days of January* 1889, *on* 27¼ *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the first 12 days | 4,970 | 1,679 0 0 | 23,511 0 | 1,238 0 0 | 22 0 0 | 2,936 0 0 | 873 | 435 | 1,308 |
| Or per mile of railway ... ... | 182 | 62 0 0 | 863 0 | 45 0 0 | 1 0 0 | 108 0 0 | ..... | ..... | ..... |
| For previous weeks of half-year ... ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for one week ... | 4,970 | 1,679 0 0 | 23,511 0 | 1,238 0 0 | 22 0 0 | 2,936 0 0 | 873 | 435 | 1,308 |
| Comparison. | | | | | | | | | |
| Total for corresponding period of previous year ... ... ... | 5,528 | 2,020 0 0 | 44,102 0 | 2,075 0 0 | 34 0 0 | 4,129 0 0 | 1,018 | 808 | 1,826 |
| Per mile of railway corresponding week of previous year ... | 203 | 74 0 0 | 1,618 0 | 76 0 0 | 1 0 0 | 151 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 5,528 | 2,020 0 0 | 44,102 0 | 2,075 0 0 | 34 0 0 | 4,129 0 0 | 1,018 | 808 | 1,826 |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Nalhati State Railway.*

| Receipts for week ending 14th January 1888. | | | Receipts for the first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 27¼ | 4,129 | 151 | 27¼ | 2,936 | 108 | 27¼ | 70,222 | 64 | 27¼ | 77,940 | 71 | 7,718 | ..... |

## TIRHOOT STATE RAILWAY.

*Approximate Return of Traffic for the first* 12 *days of January* 1889, *on* 273 *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Traffic for 12 days on 273 miles open ... ... ... | 58,236 | 20,059 0 0 | 2,30,219 0 | 20,273 0 0 | 5,175 0 0 | 45,507 0 0 | 9,000 | 9,179 | 18,179 |
| Per mile of railway ... ... | 213 | 74 0 0 | 843 0 | 74 0 0 | 5 0 0 | 153 0 0 | ..... | ..... | ..... |
| Previous weeks of half-year ... ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for one week ... | 58,236 | 20,059 0 0 | 2,30,219 0 | 20,273 0 0 | 5,175 0 0 | 45,507 0 0 | 9,000 | 9,179 | 18,179 |
| COMPARISON. | | | | | | | | | |
| For corresponding period of previous year on 259 miles open | 76,454 | 28,957 0 0 | 3,92,702 0 | 43,636 0 0 | 6,258 0 0 | 78,851 0 0 | 12,357 | 15,558 | 27,915 |
| Mile of railway correspondent week of previous year ... | 295 | 112 0 0 | 1,516 0 | 168 0 0 | 7 0 0 | 287 0 0* | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 76,454 | 28,957 0 0 | 3,92,702 0 | 43,636 0 0 | 6,258 0 0 | 78,851 0 0 | 12,357 | 15,558 | 27,915 |

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Tirhoot State Railway.*

| Receipts for week ending 14th January 1888. | | Receipts for the first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 78,851 | 304 | 273 | 45,507 | 167 | 250·86 | 13,50,073 | 135 | 262·17 | 12,07,851 | 121 | ..... | 82,222 |

Printed and published by Edwin Morris Lewis, at the Printing Office of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, 23rd January 1889.

REGISTERED No. 29.

No. 5 of 1889.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, JANUARY 30, 1889.

## OFFICIAL PAPERS.

*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

## CONTENTS.


| | Page. |
|---|---|
| DISTRICT Road Fund ... ... ... ... ... ... | 185 |
| Sanitary control of Emigrants to the Labour Districts of Assam ... ... ... ... ... ... ... ... | 188 |
| Donation made by Maharani Surnomoyee, C.I.E., of Cassimbazar for the relief of distress in Orissa ... ... ... | 190 |
| Projected Tramway from Julpigoree to the Western Dooars | 191 |
| Statement showing the actual receipts and expenditure of Provincial services for 1887-88 and the revised estimates for 1888-89 ... ... ... ... ... ... ... ... | 193 |
| Rainfall, Weather, and State and Prospects of the Crops ... | 194 |
| Meteorological Report of the Province of Bengal for the week ending Friday the 25th of January 1889 ... | 196 |
| Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 25th of January 1889 ... ... ... | 198 |
| RESULTS of the Meteorological Observations taken at the Alipore Observatory from 20th to 26th January 1889 | 203 |
| Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 20th to 26th January 1889 ... ... ... ... ... ... ... | 204 |
| Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of November 1888 ... ... ... ... ... ... ... ... | 205 |
| Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 12th January 1889 ... | 208 |
| Circular and Eastern Canals for the week ending 26th January 1889 ... ... ... ... ... ... ... | 211 |
| Weekly Return of Traffic Receipts on Indian Railways ... | 212 |


### DISTRICT ROAD FUND.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

ROAD CESS.

No. 438R.C.

*Dated Calcutta, the 24th January* 1889.

READ—

Letter from the Accountant-General, Bengal, No. 643L.F., dated 18th January 1889, submitting an abstract of the receipts and expenditure of the several District Road Committees in Bengal for the quarter ending 30th September 1888.

RESOLUTION.—The Lieutenant-Governor directs that the accounts of the receipts and expenditure of the several District Road Committees for the second quarter of the year 1888-89 be published in the *Calcutta Gazette* and circulated to the officers concerned.

ORDER.—Ordered that a copy of this Resolution, together with a copy of the abstract of receipts and expenditure, be published in the Supplement to the *Calcutta Gazette*.

Ordered also that a copy of this Resolution, and of the abstract referred to, be forwarded to the Commissioners of the Rajshahye, Bhagulpore, Chittagong and Chota Nagpore Divisions; to the Superintending Engineers of the Eastern and Western Circles; and to the Financial Department of this Government, for information.

By order of the Lieutenant-Governor of Bengal.

W. B. BESTIC,

*Under-Secy. to the Govt. of Bengal,*

*P. W. Dept.*

DISTRI

*Statement of Receipts and Expenditure of the several District B*

R E

| | Districts. | Balance in treasury on 1st July 1888. | Provincial Rates. | | | | | Interest on arrears of road cess. | Public Works. | | | Irrigation. | M | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Cess on land. | Cess on mines and railways. | Cess on houses. | One per cent. road cess. | Total. | | Road tolls. | Ferry tolls. | Total. | Canal tolls. | Rent of serais and staging bungalows. | Fees, and forfeit |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. | Rs. | Rs. A. P. | Rs. A. P. | Rs. | Rs. | Rs. | Rs. | Rs. A. P. | Rs. |
| Cess Districts. | Darjeeling ... | 5,233 10 1 | 2,174 14 2 | 3 0 9 | ..... | ..... | 2,177 14 11 | 0 5 16 | ..... | ..... | ..... | ..... | ..... | |
| | Hazaribagh ... | 32,207 11 11 | 2,770 11 10 | 282 7 3 | ..... | ..... | 3,053 3 1 | 62 14 11 | ..... | ..... | ..... | ..... | 105 0 0 | 10 |
| | Lohardugga ... | 31,631 2 1 | 481 8 6 | ..... | ..... | ..... | 481 8 6 | 22 15 10 | ..... | ..... | ..... | ..... | ..... | 40 |
| | Manbhoom ... | 30,087 2 1 | 3,598 7 4 | 328 5 0 | ..... | ..... | 3,926 12 4 | 238 1 1 | ..... | ..... | ..... | ..... | 865 8 6 | ... |
| | Total ... | 99,149 10 2 | 9,025 9 10 | 613 13 0 | ..... | ..... | 9,639 6 10 | 324 3 8 | ..... | ..... | ..... | ..... | 970 8 6 | 50 |
| Non-cess Districts. | Chittagong Hill Tracts ... ... | 5,403 8 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| | Sonthal Pergunnahs | 38,081 5 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 59 4 0 | 6 |
| | Singbhoom ... | 13,407 9 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ... |
| | Total ... | 56,892 7 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 59 4 0 | 6 |
| | Grand Total ... | 1,56,042 1 10 | 9,025 9 10 | 613 13 0 | ..... | ..... | 9,639 6 10 | 324 3 8 | ..... | ..... | ..... | ..... | 1,029 12 6 | 6 |

Ex

| | Districts. | Refunds. | | | Provincial Rates. | Administration. | | | Stationery. | Public Works. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cess. | Other receipts. | Total. | Establishment and contingencies of office of collection. | Establishment and contingencies of Committee's office. | Percentage cost of establishment for offices of account and control. | Total. | Stationery and printing. | Original works. | Repairs. | Establishment. | Tools and plant. |
| | | Rs. | Rs. | Rs. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. |
| Cess Districts. | Darjeeling ... | ..... | ..... | ..... | 268 10 0 | 321 15 0 | ..... | 321 15 0 | 59 12 9 | 1,066 8 6 | 1,546 5 8 | 531 4 2 | 7 |
| | Hazaribagh ... | ..... | ..... | ..... | 227 1 4 | 290 12 0 | ..... | 290 12 0 | 61 5 6 | 800 0 0 | 8,676 13 9 | 1,930 12 3 | 6 |
| | Lohardugga ... | ..... | ..... | ..... | 603 7 3 | 146 15 0 | ..... | 146 15 0 | 68 11 9 | 230 9 0 | 1,613 14 4 | 2,987 0 0 | 26 |
| | Manbhoom ... | ..... | 372 15 6 | 372 15 6 | 241 9 9 | 376 14 5 | ..... | 376 14 5 | 79 5 9 | 1,089 1 10 | 7,916 14 4 | 1,517 8 0 | 214 |
| | Total ... | ..... | 372 15 6 | 372 15 6 | 1,340 12 4 | 1,136 8 5 | ..... | 1,136 8 5 | 269 3 9 | 3,125 10 4 | 28,154 0 1 | 6,686 8 5 | 253 |
| Non-cess Districts. | Chittagong Hill Tracts ... ... | ..... | ..... | ..... | ..... | 5 6 6 | ..... | 5 6 6 | ..... | 1,794 13 11 | 434 0 0 | 1,049 2 3 | 29 |
| | Sonthal Pergunnahs | ..... | ..... | ..... | ..... | 259 12 0 | ..... | 259 12 0 | ..... | 459 9 3 | 4,904 8 6 | 1,502 13 6 | 411 |
| | Singbhoom ... | ..... | ..... | ..... | ..... | 148 2 9 | ..... | 148 2 9 | 40 1 0 | 673 7 9 | 2,629 1 2 | 699 0 0 | 36 |
| | Total ... | ..... | ..... | ..... | ..... | 413 5 3 | ..... | 413 5 3 | 40 1 0 | 2,927 14 11 | 7,967 9 8 | 3,250 15 5 | 476 |
| | Grand Total ... | ..... | 372 15 6 | 372 15 6 | 1,340 12 4 | 1,549 13 8 | ..... | 1,549 13 8 | 309 4 9 | 6,053 9 3 | 36,121 9 9 | 9,917 7 8 | 729 |

Fort William,

*The 20th December* 1888.

AD FUND.

*mittees for the second quarter of the year* 1888-89 *ending* 30*th September* 1888.

TS.

| ous. | | Grant from Government. | Suspense Account. | | | Total receipts. | Balance of imprest in hands of Engineers and others, decreased. | Balance of uncashed cheques, increased. | Total receipts including balance. | Outlay. | Balance in treasury on 30th September 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ellaneous. | Total. | | Advances. | Deposits. | Total. | | | | | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| ... | ..... | 313 0 0 | 737 3 8 | ..... | 737 3 8 | 3,228 8 5 | ..... | ..... | 3,462 2 6 | 5,970 14 3 | 2,491 4 3 |
| 5 3 | 200 9 3 | 250 0 0 | 381 15 0 | ..... | 381 15 0 | 3,948 10 3 | ..... | 2,264 4 8 | 38,520 10 10 | 12,907 1 2 | 25,613 9 8 |
| 15 9 | 52 3 9 | 450 0 0 | 1,047 8 0 | 725 0 0 | 1,772 8 0 | 2,779 2 1 | ..... | ..... | 34,400 4 2 | 14,229 0 1 | 20,171 4 1 |
| 5 3 | 874 13 9 | 250 0 0 | 176 7 1 | 250 0 0 | 426 7 1 | 5,716 2 3 | ..... | ..... | 35,803 4 4 | 13,344 15 5 | 22,458 4 11 |
| 10 3 | 1,127 10 9 | 1,263 0 0 | 2,343 1 9 | 975 0 0 | 3,318 1 9 | 15,672 7 0 | ..... | 2,364 4 8 | 1,17,186 5 10 | 46,451 14 11 | 70,734 6 11 |
| 4 3 | ..... | 15,000 0 0 | 709 5 0 | ..... | 709 5 0 | 15,709 5 0 | 57 12 9 | ..... | 21,170 9 11 | 3,353 6 8 | 17,817 3 3 |
| ... | 187 8 3 | ..... | 528 1 9 | ..... | 528 1 9 | 715 10 0 | ..... | 173 14 9 | 38,970 14 6 | 10,113 12 9 | 28,857 1 9 |
| ... | ..... | ..... | 1,560 10 0 | ..... | 1,560 10 0 | 1,560 10 0 | ..... | 1 0 0 | 14,969 3 9 | 4,737 1 8 | 20,232 2 1 |
| 4 3 | 187 8 3 | 15,000 0 0 | 2,798 0 9 | ..... | 2,798 0 9 | 17,985 9 0 | 57 12 9 | 174 14 9 | 75,110 12 2 | 18,204 5 1 | 56,906 7 1 |
| 14 6 | 1,315 3 0 | 16,263 0 0 | 5,141 2 6 | 975 0 0 | 6,116 2 6 | 33,658 0 0 | 57 12 9 | 2,539 3 5 | 1,92,297 2 0 | 64,656 4 0 | 1,27,640 14 0 |

URE.

| | Irrigation. | Miscellaneous. | | | | Contribution to Provincial Government. | Suspense Account. | | | Total expenditure. | Balance of imprest in hands of Engineers and others increased. | Balance of uncashed cheques decreased. | Total outlay. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total. | Canal tolls. | Staging bungalow establishment and contingencies. | Staging bungalow, petty construction and repairs. | Miscellaneous. | Total. | | Advances. | Deposits. | Total. | | | | |
| Rs. A. P. | Rs. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. | Rs. | Rs. A. P. |
| 3,891 2 6 | ..... | ..... | ..... | ..... | ..... | ... | 342 0 0 | ..... | 342 0 0 | 4,883 8 1 | ..... | 1,087 6 2 | 5,970 14 3 |
| 12,413 14 8 | ..... | 27 0 0 | 234 14 0 | ..... | 261 14 0 | ... | 324 9 8 | 327 8 0 | 652 1 8 | 12,907 1 2 | ..... | ..... | 12,907 1 2 |
| 13,156 14 4 | ..... | 46 0 0 | 28 2 4 | 23 0 0 | 97 2 4 | ... | 328 0 0 | 626 0 0 | 954 0 0 | 14,027 2 8 | 48 14 9 | 152 14 8 | 14,229 0 1 |
| 10,737 10 5 | ..... | ..... | 1,106 9 9 | ..... | 1,106 9 9 | ... | 276 0 0 | 150 0 0 | 426 0 0 | 13,341 1 7 | 3 13 10 | ..... | 13,344 15 5 |
| 39,199 9 9 | ..... | 73 0 0 | 1,369 10 1 | 23 0 0 | 1,465 10 1 | ... | 1,270 9 8 | 1,103 8 0 | 2,374 1 8 | 45,158 13 6 | 52 12 7 | 1,240 4 10 | 46,451 14 11 |
| 3,398 0 2 | ..... | ..... | ..... | ..... | ..... | ... | 50 0 0 | ..... | 50 0 0 | 3,353 6 8 | ..... | ..... | 3,353 6 8 |
| 7,278 6 9 | ..... | ..... | 98 5 0 | ..... | 98 5 0 | ... | 1,977 5 0 | ..... | 1,977 5 0 | 9,613 12 9 | 500 0 0 | ..... | 10,113 12 9 |
| 4,038 1 11 | ..... | ..... | 13 8 0 | 20 4 0 | 33 12 0 | ... | 477 0 0 | ..... | 477 0 0 | 4,737 1 8 | ..... | ..... | 4,737 1 8 |
| 14,714 8 10 | ..... | ..... | 111 13 0 | 20 4 0 | 132 1 0 | ... | 2,504 5 0 | ..... | 2,504 5 0 | 17,704 5 1 | 500 0 0 | ..... | 18,204 5 1 |
| 53,914 2 7 | ..... | 73 0 0 | 1,481 7 1 | 43 4 0 | 1,597 11 1 | ... | 3,774 14 8 | 1,103 8 0 | 4,878 6 8 | 62,863 2 7 | 552 12 7 | 1,240 4 10 | 64,656 4 0 |

E. T. ATKINSON,

*Accountant-General, Bengal.*

## SANITARY CONTROL OF EMIGRANTS TO THE LABOUR DISTRICTS OF ASSAM.

GENERAL DEPARTMENT—INLAND EMIGRATION.

*Calcutta, the 28th January* 1889.

RESOLUTION.

READ—

The undermentioned letters and previous correspondence regarding the outbreak of cholera amongst emigrants from Bengal to Assam.

From the Superintendent of Emigration—

(1) No. 1036, dated the 1st September, 1888.
(2) No. 1037, dated the 3rd September, 1888.

From the Sanitary Commissioner for Bengal—

(1) No. 6676, dated the 26th October, 1888.
(2) No. 8569, dated the 22nd December, 1888.

The Lieutenant-Governor has had under consideration the circumstances connected with the outbreaks of cholera among emigrants on their way from Bengal to the labour districts of Assam, and the means best calculated to check such epidemics. The present law (Act I of 1882) recognises two distinct systems of emigration; labourers executing engagements under the first are kept under strict sanitary supervision from the date of recruitment to that of their arrival in Assam, every detail as to their lodging in depôts, their journey, their food, and their clothing being regulated on an elaborate plan, while those who adopt the second system, known as that of free emigration, do not execute any formal engagements until they reach Assam, and are on that account, as ordinary travellers, exempted from any special sanitary supervision while passing through Bengal. The latter constitute the great majority, and it has been ascertained that they are conveyed in large bodies, and detained for a considerable period in depôts, so that their position, so far as the necessity for sanitary control is concerned, does not differ from that of labourers engaged under the Act. The depôts now used for their reception at Raneegunge were recently inspected at the instance of the Indian Tea Association by the Superintendent of Emigration, who reported that he had found the sanitary arrangements to be very defective, the water-supply to be drawn in many cases from more or less unclean tanks, the cooking of the food to be imperfectly attended to, and the total absence of special hospital accommodation for the treatment of coolies attacked with cholera or other contagious diseases, and of satisfactory arrangements for the disposal of the dead or of their belongings. It seems to the Lieutenant-Governor to be most necessary that these depôts or rest-houses should be brought under sanitary supervision; and the question whether the law should not be amended with this object has been submitted for the consideration of the Government of India. In the meantime it seems desirable to take such temporary measures as are within the power of Government for the prevention of the more flagrant sanitary abuses, without having recourse to the suspension of emigration, which had to be enforced in 1886 in certain districts.

2. A cholera shed and place of inspection for coolies going to Assam, with the necessary establishment required for the proper treatment and care of the sick, was last year established at Kurigram, and the agency sanctioned for medical inspection at Mugra was at the same time transferred to Naihatti, emigrants having ceased to break the journey at the former place. Arrangements were also made for the proper treatment of emigrants during the transit by rail, and for reporting by telegram to the Emigration authorities at Dhubri all cases of cholera occurring along the line of railway and at Goalundo. The Commissioners of the Chota Nagpore and Burdwan Divisions were further instructed, pending the contemplated amendment of the law, to take such executive measures as they could adopt with the co-operation of municipalities to mitigate the sanitary abuses brought to light by the inspection of the depôts in both divisions by the Sanitary Commissioner for Bengal. These orders are now repeated; and, in addition, the Lieutenant-Governor desires

that the Sanitary Commissioner or the Superintendent of Emigration, as they may agree between themselves, in conjunction with a Magistrate to be deputed for the purpose by the District Magistrate, should inspect the private depôts at Raneegunge, and indicate to the owners any sanitary improvements which the inspection may show to be urgently necessary. It is hoped that such requisitions will be obeyed, but if they are not, it will probably be necessary to take further steps under the municipal law, or by stopping emigration from infected areas. The depôts at Calcutta should be similarly inspected, in communication with the Commissioner of Police. The Municipality will be requested to ensure the due disposal at Raneegunge of the bodies of coolies dying at the depôts: cremation need not be insisted on, but all interments should be duly performed. The Superintendent of Inland Emigration will also be instructed to open a temporary cholera hospital at Raneegunge for infected coolies on a plan which he has prepared. In the event of an outbreak of cholera a medical officer will be deputed to the Sealdah station, and another to the Raneegunge station, to examine emigrants, and, in communication with the Railway authorities, to prevent those infected from starting. The depôt from which an infected coolie comes should be ascertained in each case with a view to the adoption of precautionary measures.

The increased expenditure involved in these arrangements should be borne by the Inland Labour Transport Fund.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

*Secretary to the Government of Bengal.*

## DONATION MADE BY MAHARANI SURNOMOYEE, C.I.E., OF CASSIMBAZAR FOR THE RELIEF OF DISTRESS IN ORISSA.

THE following correspondence is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

*Secy. to the Govt. of Bengal.*

REVENUE DEPARTMENT;
CALCUTTA,
*The 29th January*, 1889.

---

No. 28R, dated Cuttack, the 7th January, 1889.

From—C. F. WORSLEY, Esq., Commissioner of the Orissa Division,
To—The Secretary to the Government of Bengal, Revenue Department.

IN forwarding copy of the correspondence noted in the margin, relative to a donation of Rs. 1,000 presented by Maharani Surnomoyee, Member of the Imperial Order of the Crown of India, for the relief of distress in Orissa, I have the honour to suggest that the thanks of Government may be given to the Maharani for her benevolent act, and that my retention of the money in deposit against future contingencies may be approved.

The Maharani's letter, No. 301, dated 9th November, 1888.
This office letter, No. 2114, dated 7th December, 1888.
The Maharani's letter, No. 336, dated 13th December, 1888.

---

No. 301, dated Cassimbazar Rajbaree, the 9th November, 1888.

From—MAHARANI SURNOMOYEE, Member of the Imperial Order of the Crown of India, Cassimbazar,
To—The Commissioner of the Orissa Division.

I AM grieved to learn that scarcity is on its utmost height in the province of Orissa, and that actual distress has already prevailed in some parts of the country. I feel it, under the circumstances, a duty incumbent on me to come forward at this critical moment with my humble aid on behalf of the suffering people, and beg to enclose a donation of Rs. 1,000* (one thousand rupees) towards their relief.

An acknowledgment is solicited.

* Half Government Currency Note R 68143/95 for Rs. 1,000.

---

No. 2114R, dated Cuttack, the 7th December, 1888.

From—C. F. WORSLEY, Esq., Commissioner of the Orissa Division,
To—MAHARANI SURNOMOYEE, Member of the Imperial Order of the Crown of India, Cassimbazar.

WITH reference to your No. 309 of the 26th November, 1888, I have the honour to acknowledge receipt of the right half of the currency note for rupees one thousand, and to thank you for your liberal donation for the relief of distress in Orissa.

2. I am happy to inform you that at the present time, owing to the late seasonable rains and the improved prospects of the crops, there is no necessity for the administration of relief in any district of this division. With your approval I propose to keep the money in deposit for some months, and should it not be required, as I trust it will not, for charitable relief during the next hot season, I will again communicate with you as to its disposal. Though happily your anticipation of continued distress has not as yet been realized, I none the less warmly appreciate your kind motives and solicitude for the people of Orissa.

---

No. 336, dated Cassimbazar Rajbaree, the 13th December, 1888.

From—MAHARANI SURNOMOYEE, Member of the Imperial Order of the Crown of India, Cassimbazar,
To—The Commissioner of the Orissa Division.

I HAVE the honour to acknowledge the receipt of your letter, No. 2114R, dated the 7th instant, and in reply beg to state that I feel a pleasure which I know no words to express at the happy turn the events have taken of late. I am really glad of the agreeable disappointment of my hopes of affording relief in distress which is no longer apprehended. If, however, on some future occasion, my humble help goes to meet even in the slightest measure the wants of the suffering humanity or to promote the cause of any public interest, I shall consider myself amply repaid. I respectfully leave to you the disposal of the amount of my donation. I shall only be happy to hear how it is appropriated when occasion occurs.

---

No. 351—23Fam., dated Calcutta, the 28th January 1889.

From—H. W. C. CARNDUFF, Esq., Under-Secretary to the Government of Bengal, Revenue Department,
To—The Commissioner of the Orissa Division.

I AM directed to acknowledge the receipt of your letter No. 28R, dated the 7th instant, and annexures, regarding a donation of Rs. 1,000 made by Maharani Surnomoyee, C.I.E., of Cassimbazar, for the relief of distress in Orissa.

2. In reply, I am to say that the Lieutenant-Governor approves your proposal that the sum referred to should be kept in deposit for the present against future contingencies, and I am at the same time to request that the Lieutenant-Governor's thanks may be conveyed to the Maharani for her benevolence.

## PROJECTED TRAMWAY FROM JULPIGOREE TO THE WESTERN DOOARS.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Communications.

*No.* 309C, *dated Calcutta, the* 29*th January* 1889.

READ—

Letter No. 2D.T.R., dated the 31st August 1888, from the Inspector of Local Works in the Rajshahye Division, submitting the Dooars Tramway project.

Letter No. 257, dated the 20th September 1888, from the Inspector of Local Works, submitting the statements referred to in the report on the project.

Read again—

Letter dated the 19th September 1887, from Messrs. Finlay, Muir and Company and others, urging the necessity for the construction of a tramway between the tea-gardens in the Dooars and the Northern Bengal State Railway.

Letter No. 2015C., dated the 21st February 1887, to the Inspector of Local Works in the Rajshahye Division, communicating orders for making a survey for the line of tramway proposed, and preparing an estimate of the cost of constructing the tramway.

Letter No. 21490., dated the 13th December 1887, to Messrs. Finlay, Muir and Company and others, informing them of the steps that have been taken to have a project prepared for the tramway.

RESOLUTION.—The question of improving the means of communication between the Dooars tea districts and Julpigoree has been brought several times to the notice of the Government of Bengal. In September 1887, Messrs. Finlay, Muir and Company and others again urged upon the Government the pressing necessity for connecting the tea-gardens in the Dooars with the Northern Bengal State Railway, and asked for a guarantee of four per cent. for a fixed period to enable them to raise the capital required. The Lieutenant-Governor then determined to have the surveys for the line carried out by the Public Works Department and expressed his willingness to give, free of charge, the land, and at a nominal rate such timber as might be available from the adjoining Government forests; also favourable rates for the carriage of the tramway material over State Railways: and His Honour further stated that when the result of the survey was received he would consider any fresh proposals that might be made, and see if terms could be arrived at for a work which would be of great utility to the tea districts.

2. In November 1887, the Government of Bengal ordered the commencement of the surveys and the preparation of the necessary plans and estimates of the cost of constructing the tramway.

3. Two proposals had been submitted for connecting the tea-gardens with the railway. The first, and that which had received the most support, was for a tramway starting from the bank of the river Teesta opposite Julpigoree and running north through the country to the west of the Durlah river to a point above its junction with the Chel and below its junction with the Mal and the Neora. Crossing the Durlah in this locality, the line would run along the general alignment of the Mal road to near the Mal post-office, thence running west *viâ* the Bullabaree bungalow to the Chel. To serve the Nagracotta gardens there would be a branch leaving this line at a point below the crossing of the Durlah and running in an easterly direction to the point where the Nagracotta road crosses the Juldaka river. The length of the main line would be 35 miles and that of the branch about 6 miles.

The second proposal was for a line joining the Northern Bengal State Railway at Silliguri. This line would run in a north-easterly direction to a point on the Teesta below its junction with the Gheesh, where there would be a steam ferry. From this point the line would trend towards the north, running between the Gheesh and the Chel rivers to some point on the latter at which it could be bridged. It would then run in an easterly direction as far as the Mal river, beyond which it was understood it could not be carried except at great cost.

4. The survey for the line was begun in December 1887, and, after some correspondence as to the proper route to be adopted, was completed in August

1888. The plans and estimates of the cost of constructing the tramway have now been completed, and the whole project is sufficiently matured for the consideration of any definite proposals that may be made.

5. The project as it now stands is for a tramway from a point opposite Julpigoree on the east side of the Teesta river to Mal, a mart in the centre of the Western Dooars, with branches to Dam-Dim and Ramsahai, the whole being 40 miles in length. The reasons for placing the line as laid down are given in detail in the report on the estimate which accompanies this Resolution. The line will provide access to most of the tea-gardens, and it is capable of being extended to the Chalsa gardens hereafter.

6. The total cost of the tramway was estimated by the Inspector of Local Works who had charge of the surveys at Rs. 12,56,682. The estimate has been revised and corrected in this office, and now stands at Rs. 11,26,017, as shown in the accompanying note (Appendix F). The estimate as it now stands is believed to be a reliable one, but the Government can undertake no responsibility for its accuracy.

7. The estimate of the traffic can at best be only approximate, and the Government of Bengal cannot be responsible for its correctness. Returns of traffic will be found appended to this Resolution, and it is for those who propose to take up the scheme to estimate what portion of this traffic would be carried on the tramway, and what receipts would be derived from it.

8. It is now left to those interested to submit proposals framed in accordance with the "Bengal Tramways Act, 1883," for the construction of this tramway. The demands on the District Fund are such as to preclude the District Board from giving any guarantee for the payment of interest on the capital required for the undertaking, and the concessions which the Government is prepared to make must be considered as limited to those specified in the first paragraph of this Resolution.

ORDER.—Ordered that this Resolution be published in the Supplement to the *Calcutta Gazette* for general information.

By order of the Lieutenant-Governor of Bengal,

E. J. MARTIN,
*Offg. Secy. to the Govt. of Bengal,*
*P. W. Dept.*

---

*Documents accompanying.*

1. Index map.
2. Letter dated the 19th September 1887, from Messrs. Finlay, Muir and Company and others. (Appendix A.)
3. Letter No. 2015C., dated the 2nd December 1887, to the Inspector of Local Works, Rajshahye Division, with enclosure. (Appendix B.)
4. Letter No. 2149C., dated the 13th December 1887, to Messrs. Finlay, Muir and Company and others, with enclosure. (Appendix C.)
5. Report on the estimate for the tramway, with the estimate of its cost. (Appendix D.)
6. Letter No. 257, dated the 20th September 1888, from the Inspector of Local Works, Rajshahye Division, with enclosure. (Appendix E.)
7. Note on the project by Mr. W. B. Bestic. (Appendix F.)

*Statement showing the actual receipts and expenditure of Provincial services for* 1887-88 *and the revised estimates for* 1888-89.

| Receipts. | Actuals, 1887-88. | Revised estimate, 1888-89. |
|---|---|---|
| | Rs. | Rs. |
| Opening balance ... | 19,98,925 | 33,09,000 |
| **Principal Heads of Revenue—** | | |
| I.—Land Revenue ... Proper ... ... | 97,88,195 | 98,40,000 |
| ... Adjustments ... | (−)2,40,185 | (−)5,19,000 |
| III.—Salt ... ... ... ... ... | 78,208 | 80,000 |
| IV.—Stamps... ... ... ... ... ... | 1,03,62,028 | 1,03,50,000 |
| V.—Excise ... ... ... ... ... ... | 27,16,436 | 27,63,000 |
| VI.—Provincial rates ... ... ... ... | 42,36,538 | 42,03,000 |
| VII.—Customs ... ... ... ... ... | 59,584 | 52,000 |
| VIII.—Assessed taxes ... ... ... ... | 18,69,971 | 19,50,000 |
| IX.—Forests ... ... ... ... ... | 3,28,897 | 3,30,000 |
| X.—Registration ... ... ... ... ... | 5,08,912 | 5,25,000 |
| Total ... | 2,97,08,584 | 2,95,83,000 |
| XII.—Interest ... ... ... ... ... | 67,093 | 71,000 |
| **Post-office, Telegraph and Mint—** | | |
| XIV.—Telegraphs ... ... ... ... ... | 1,163 | 1,000 |
| **Receipts by Civil Department—** | | |
| **XVI.—Law and Justice—** | | |
| Courts of Law ... ... ... ... | 7,74,255 | 7,75,000 |
| Jails ... ... ... ... ... ... | 7,10,279 | 7,90,000 |
| XVII.—Police ... ... ... ... ... ... | 3,13,349 | 3,24,000 |
| XVIII.—Marine ... ... ... ... ... ... | 9,10,096 | 8,85,000 |
| XIX.—Education ... ... ... ... ... | 6,94,653 | 5,50,000 |
| XX.—Medical ... ... ... ... ... | 1,38,554 | 1,40,000 |
| XXI.—Scientific and other Minor Departments | 1,56,308 | 1,65,000 |
| Total ... | 36,97,494 | 36,29,000 |
| **Miscellaneous—** | | |
| XXII.—Receipts in aid of superannuation ... | 45,503 | 46,000 |
| XXIII.—Stationery and printing ... ... ... | 1,88,397 | 1,82,000 |
| XXV.—Miscellaneous ... ... ... ... | 6,94,837 | 7,00,000 |
| Total ... | 9,28,737 | 9,28,000 |
| **Railways—** | | |
| XXVI.—State Railways (gross earnings) ... ... | | |
| Eastern Bengal State Railway ... ... | 1,12,73,483 | 1,15,43,000 |
| Other Railways ... ... ... ... | | |
| **Irrigation—** | | |
| XXIX.—Major works (direct receipts) ... ... | 11,03,229 | 13,58,000 |
| XXX.—Minor works and navigation— | | |
| By Public Works Department ... ... | 9,64,670 | 10,03,000 |
| „ Civil Departments ... ... ... | | |
| Total ... | 20,67,899 | 23,61,000 |
| **Buildings and Roads** | | |
| **XXXII.—Civil works—** | | |
| By Public Works Department ... ... | | 1,60,000 |
| „ Civil Department ... ... ... | | 2,22,000 |
| Total ... | 4,02,861 | 3,82,000 |
| Contributions ... ... ... ... | ..... | ..... |
| Total ... | 4,81,47,256 | 4,84,98,000 |
| Grand Total ... | 5,01,46,181 | 5,18,07,000 |

| Expenditure. | Actuals, 1887-88. | Revised estimate, 1888-89. |
|---|---|---|
| | Rs. | Rs. |
| **Direct demand on the Revenue—** | | |
| 1. Refunds and drawbacks ... | 1,56,096 | 1,65,000 |
| 2. Assignments and compensations ... ... ... ... | 1,88,565 | 1,49,000 |
| 3. Land Revenue ... ... ... | 34,05,996 | 35,07,000 |
| 5. Salt ... ... ... ... ... | 12,369 | 22,000 |
| 6. Stamps ... ... ... ... | 3,64,216 | 3,71,000 |
| 7. Excise ... ... ... ... | 1,06,629 | 1,12,000 |
| 8. Provincial Rates ... ... ... | 3,47,213 | 3,18,000 |
| 9. Customs ... ... ... ... | 5,30,638 | 5,30,000 |
| 10. Assessed Taxes ... ... ... | 75,706 | 79,000 |
| 11. Forests ... ... ... ... | 1,94,858 | 1,98,000 |
| 12. Registration ... ... ... | 2,89,231 | 2,98,000 |
| Total ... | 56,71,487 | 57,44,000 |
| 14. Interest on other obligations ... | ..... | ..... |
| **Post-office, Telegraph and Mint—** | | |
| 16. Telegraphs ... ... ... | 915 | 1,000 |
| **Salaries and expenses of Civil Department—** | | |
| 18. General Administration ... | 15,42,879 | 15,33,000 |
| 19. Law and Justice— | | |
| Courts of Law ... ... ... | 79,40,386 | 80,60,000 |
| Jails ... ... ... ... | 15,31,090 | 17,60,000 |
| 20. Police ... ... ... ... | 47,86,787 | 48,05,000 |
| 21. Marine ... ... ... ... | 9,16,601 | 12,60,000 |
| 22. Education ... ... ... ... | 24,22,221 | 24,13,000 |
| 24. Medical ... ... ... ... | 14,43,691 | 14,84,000 |
| 25. Political ... ... ... ... | ..... | 28,000 |
| 26. Scientific and other Minor Departments ... ... ... | 3,63,598 | 3,23,000 |
| Total ... | 2,08,87,253 | 2,16,66,000 |
| **Miscellaneous—** | | |
| 29. Superannuation, &c. ... ... | 12,79,372 | 13,51,000 |
| 30. Stationery and Printing ... | 10,46,423 | 10,41,000 |
| 32. Miscellaneous ... ... ... | 3,43,135 | 2,17,000 |
| Total | 26,69,130 | 26,09,000 |
| **Famine Relief and Insurance—** | | |
| 33. Famine Relief ... ... ... | ..... | 1,00,000 |
| 37. Construction of railways ... | ..... | (−)8,000 |
| **Railways (Revenue account)—** | | |
| 38. State Railways— | | |
| Working expenses ... Eastern Bengal State Railway ... | 59,34,865 | 59,90,000 |
| ... Other Railways ... | | |
| Interest on debt ... ... | 30,81,696 | 32,75,000 |
| 40. Subsidized Companies—Land, &c. ... ... ... ... | 49 | ..... |
| 41. Miscellaneous Railway expenditure ... ... ... | 66,441 | 1,29,000 |
| Total ... | 90,83,051 | 93,94,000 |
| **Irrigation—** | | |
| 42. Major works— | | |
| Working expenses ... ... | 15,03,585 | 14,76,000 |
| Interest on debt ... ... | 23,13,446 | 23,40,000 |
| 43. Minor works and Navigation— | | |
| By Public Works Department ... ... ... | 15,18,533 | 16,89,000 |
| „ Civil Department ... | 1,916 | 2,000 |
| Total ... | 53,37,480 | 55,07,000 |
| **Buildings and roads—** | | |
| 45. Civil works— | | |
| By Public Works Department ... ... ... | | 38,86,000 |
| „ Civil Department ... | | 35,000 |
| Total ... | 29,26,811 | 39,21,000 |
| Contributions ... ... ... | 2,61,063 | 7,30,000 |
| Total ... | 4,68,37,190 | 4,96,64,000 |
| Closing balance ... ... | 33,08,991 | 21,43,000 |
| Grand Total ... | 5,01,46,181 | 5,18,07,000 |
| Provincial surplus (+) or deficit ... ... ... | (+)13,10,066 | (−)11,66,000 |

Published for general information.

Financial Dept.,
The 29*th January* 1889.

H. J. S. Cotton,
*Offg. Secy. to the Govt. of Bengal.*

## Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 26th January 1889.*

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---|---|---|---|
| BENGAL. | | | |
| | *Western Districts.* | | |
| Burdwan Divn. 1 | Burdwan Jan. 26, '89 | Nil | Weather—cool. Spring prospects fair. Prices stationary. |
| Burdwan Divn. 2 | Bankoora „ 26, '89 | Nil | Weather—seasonable. No change in prospects of standing crops. Mustard and sugarcane are being cut. Prices continue stationary. |
| Burdwan Divn. 3 | Birbhum „ 26, '89 | 0·05 | Weather—seasonable. Paddy is being threshed out. *Rubbi* crops promising. |
| Burdwan Divn. 4 | Midnapur „ 26, '89 | Nil | Weather—rather warm for the time of year. The *rubbi* will be poor for want of rain. *Boro* is still being transplanted in parts. |
| Burdwan Divn. 5 | Hugli „ 26, '89 | Nil | Weather—fair. *Rubbi* crops promising. |
| | Howrah „ 28, '89 | Nil | Weather—seasonable. State and prospects of crops fair, but a little rain is wanted. |
| | *Central Districts.* | | |
| Presidency Divn. 6 | 24-Perghs. Jan. 29, '89 | Nil | Weather—cloudy and foggy. Harvesting of *amun* nearly over. Winter crops suffering from want of rain. Manufacture of sugar continues. |
| Presidency Divn. 7 | Nuddea „ 26, '89 | Slight rain. | Weather—cool and seasonable; slight rain on 24th. *Rubbi* crops promising, except in Kushtea and in parts of the Meherpore sub-division. Rain urgently wanted. |
| Presidency Divn. 8 | Khoolna „ 26, '89 | 0·07 | Weather—cool and clear. Cold-weather crops fair. *Amun* harvest nearly over with 10 annas outturn. |
| Presidency Divn. 9 | Jessore „ 26, '89 | Nil | Weather—pretty cool towards the latter part of the week. *Amun* harvesting over. Rain wanted for the *rubbi* crops, the prospects of which are fair. |
| Presidency Divn. 10 | Moorshedabad „ 26, '89 | 0·10 | Weather—a portion of the week was cloudy and hot for the season; cold from the 25th. *Haimanti* harvesting almost completed. *Kalai* being cut and gathered still. *Rubbi* promising. |
| Rajshahye Divn. 11 | Dinagepur „ 26, '89 | Nil | Weather—seasonable. Harvesting of *haimanti* paddy almost over. Sugarcane is still being cut. Prospects of *rubbi* fair. Coarse rice selling at 18 seers per rupee. |
| Rajshahye Divn. 12 | Rajshahye „ 26, '89<br>Nattore ... | 0·13<br>0·20 | Weather—seasonable. *Amun* harvest nearly over. Recent rain will be beneficial to standing crops. Prospects of spring crops generally fair. |
| Rajshahye Divn. 13 | Rungpur „ 26, '89 | 0·04 | Weather—cloudy and cool. The standing crops are doing well, but some rain is urgently needed. Land is being prepared for *aus* paddy and jute. |
| Rajshahye Divn. 14 | Bogra „ 26, '89<br>Sherpore ...<br>Nowkhila ... | 0·06<br>0·05<br>0·10 | Weather—seasonable; slight showers fell on 24th. Harvest of winter rice over. Spring crops growing fairly, but more rain needed. Sugarcane is being cut. Common rice selling at 20 seers per rupee. |
| Rajshahye Divn. 15 | Pubna „ 26, '89<br>Serajgunge ... | Nil<br>0·09 | Weather—fine. *Rubbi* crops are becoming worse for want of rain. |
| Rajshahye Divn. 16 | Darjeeling „ 25, '89 | 0·51 | Weather—cold and cloudy. More rain wanted. Crops doing fairly well. |
| Rajshahye Divn. 17 | Julpigorse „ 26, '89 | 0·46 | Weather—cool, occasionally cloudy. Harvesting of *haimanti* rice completed except in a few places. Rain, which fell on the 24th, will do much good. Prices stationary. |
| | *Eastern Districts.* | | |
| Dacca Divn. 18 | Dacca Jan. 26, '89 | Nil | Weather—fine and cold. Pulses and mustard are being gathered. Cutting of sugarcane continues. Prospects of winter crops good. |
| Dacca Divn. 19 | Furreedpur „ 26, '89 | Nil | Weather—warm; another threat of rain has passed off without any rain. State and prospects of crops good. Rain would benefit them, and the absence of it is certainly disappointing. But in this district rain is less needed than in most other districts, for the land lies low, and the rivers are numerous, and the soil is never dry, and for the cold-weather crops the absence of rain is not of much importance. |
| Dacca Divn. 20 | Backergunge „ 25, '89 | Nil | Weather—seasonable. Prospects of crops fair. Harvesting of *amun* crop is still going on; outturn 12 annas. |
| Dacca Divn. 21 | Mymensingh „ 25, '89 | Slight rain. | Weather—cool with foggy mornings. Slight rain on the 24th at the Sudder sub-division. Prospects of crops good. Mustard is being harvested. |
| Chittagong Divn. 22 | Chittagong „ 29, '89 | Nil | Weather—seasonable. Winter crops thriving, but rain wanted. Prices steady. |
| Chittagong Divn. 23 | Noakholly „ 25, '89 | Nil | Weather—seasonable. Mornings sometimes foggy. *Rubbi* crops going on well. Rain wanted. |
| Chittagong Divn. 24 | Tipperah „ 25, '89 | Nil | Weather—seasonable and dry. Cold-weather crops are everywhere reported good, and their area is normal. Prices easy. |
| Chittagong Divn. 25 | Chittagong Hill Tracts. „ 22, '89 | Nil | Weather—mornings and nights foggy and cold, but at noon very sultry throughout the week. Mustard, chillies and other winter crops progressing. Mustard is forming into seeds in some places. Prospects not good for want of rain. |
| | Hill Tipperah „ 24, '89 | Nil | Weather—gloomy. Sugarcane still being cut. Prospects of chillies and tobacco fair. |

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---|---|---|---|
| **BEHAR.** | | | |
| PATNA DIVS. 26 | Patna Jan. 26, '89 | Nil | Weather—cold and cloudy. Prospects of standing *rubbi* and poppy crops favourable. Early mustard is being harvested in the Barh sub-division. *Boro* rice is being transplanted. Prices stationary. |
| | Behar ... | 0·07 | |
| 27 | Gya „ 26, '89 | 0·05 | Weather—cold. Harvesting of paddy is being finished. Prospects of *rubbi* and poppy are promising. |
| 28 | Shahabad „ 26, '89 | 0·11 | Weather—cloudy and foggy. Showers have done some good to the *rubbi* crops, the prospects of which are on the whole fair. The outturn of the *aghani* crop is better than was formerly estimated, and probably does not fall short of ten annas. Prices stationary. |
| | Buxar ... | 0·45 | |
| | Sasseram ... | 0·20 | |
| 29 | Durbhunga „ 27, '89 | 0·21 | Weather—bleak and cloudy at times, but on the whole hot and bright. Tobacco and poppy promise well and *rahar* very fair. *Rubbi* has been benefitted in Madhubani by the rain. Food-grains slightly falling in prices. Common rice ranging from 13 to 19 seers per rupee throughout the district. |
| | Madhubani ... | 0·14 | |
| 30 | Mozufferpur „ 26, '89 | 0·15 | Weather—cloudy during the greater part of the week and temperature low. The slight rain has been beneficial to the *rubbi* crops in the Sudder and Hajipur sub-divisions and in the southern part of Sitamarhi, and some good has also been done to the scanty crops in North Sitamarhi. Poppy is prospering satisfactorily. |
| | Hajipur ... | 0·16 | |
| | Sitamarhi ... | 0·15 | |
| 31 | Sarun „ 26, '89 | 0·36 | Weather—cloudy throughout the week, with occasional rain and heavy morning fogs. Rain has been very beneficial to the young *rubbi* crops, of which the prospects are very favourable. Poppy is also doing well everywhere. Lands are being prepared for indigo. Prices stationary. |
| | Gopalgunge ... | 0·53 | |
| 32 | Chumparun „ 26, '89 | 0·23 | Weather—foggy, cloudy and fair alternately. Very cold since 25th. Prospects of standing *rubbi* and poppy crops improved to an appreciable extent by a shower of rain on the 24th. Prices show no tendency to fall, and pressure continues in the area affected by failure of the winter rice crop. |
| BHAGULPORE DIVS. 33 | Monghyr Jan. 26, '89 | 0·02 | Weather—cold and occasionally cloudy. *Rubbi* crops doing well. Prices have risen slightly. |
| 34 | Bhagulpur „ 26, '89 | Nil | Weather—seasonable; cloudy with slight drizzle on 24th. Mustard is being harvested. Planting of sugarcane is in progress. Lands are being ploughed in places. Prospects of *rubbi* crops favourable. Prices fairly stationary. |
| | Banka ... | 0·13 | |
| 35 | Purneah „ 26, '89 | Nil | Weather—cold and foggy at night and in the morning. Paddy has been harvested with deficient outturn. *Rubbi* crops doing well, but rain is badly wanted. |
| 36 | Maldah „ 26, '89 | 0·05 | Weather—fair, occasionally cloudy. *Rubbi* crops are in good condition. |
| | Shibgunge ... | 0·10 | |
| | Sonthal Perghs. „ 26, '89 | 0·11 | Weather—seasonable. Prospects of *rubbi* crops continue favourable. The rain of this week will do great good to the standing crops. |
| 37 | Godda ... | 0·20 | |
| | Rajmahal ... | 0·12 | |
| **ORISSA.** | | | |
| ORISSA DIVS. 38 | Cuttack Jan. 25, '89 | Nil | Weather—fair and seasonable. *Sarad* rice is being threshed. Common rice sells at 18 seers 6 chittacks per rupee in town. |
| 39 | Pooree „ 24, '89 | Nil | Weather—seasonable. Rain is wanted for *rubbi* crops. Winter rice is being threshed. *Dalua* crop doing well. Common rice 19 seers 11 chittacks per rupee in the Sudder sub-division and 17 seers 12 chittacks per rupee in the Khoorda sub-division. |
| 40 | Balasore „ 25, '89 | Nil | Weather—seasonable. *Rubbi* is being harvested. Prospects of *dalua* rice in the Bhudruck sub-division are good. |
| **CHOTA NAGPORE.** | | | |
| *South-West Frontier Agency.* | | | |
| CHOTA NAGPORE DIVS. 41 | Hazaribagh Jan. 25, '89 | Nil | Weather—cold and seasonable. Rain, if it fall even now, will do good to *rubbi*; estimated outturn between 8 and 10 annas. Poppy doing well. Mustard being gathered; outturn about 9 annas. Sugarcane pressing continues; yield may be estimated at about 10 annas. Prices stationary, but high for the season. |
| 42 | Lohardugga „ 26, '89 | 0·05 | Weather—cool. Slight rain with high winds on the 24th. Weather is now cool and bright. Prospect of *rubbi* not good. Prices steady. |
| 43 | Singbhoom „ 25, '89 | Nil | Weather—seasonable, sky somewhat cloudy. Prospect of *rubbi* crops has not improved. Prices nearly the same as in last week. |
| 44 | Manbhoom „ 26, '89 | Nil | Weather—seasonable with occasional clouds. Sugarcane pressing nearly over; outturn 8 to 12 annas. *Rubbi* crops coming up fairly. |

Published for general information.

CALCUTTA; REVENUE DEPT.,
*The 29th January* 1889.

P. NOLAN,
*Secy. to the Govt. of Bengal.*

## Meteorological Report of the Province of Ben

| Meteorological Division. | District. | Representative station. | Station Observations. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Air Pressure. | | | Wind. | | Temperature. | | | | | | | | |
| | | | Mean barometric height, 8 A.M. | Mean reduced to sea-level. | Variation from mean. | Prevailing direction. | Mean wind velocity. | Highest during week. | Date. | Lowest during week. | Date. | Mean maximum temperature. | Mean minimum temperature of week. | Mean daily temperature of week. | Variation from normal of week. |
| Orissa. | Pooree ... ... | Pooree ... | 30·070 | 30·083 | — | Calm | 165 | 87·7 | 20th Jan. | 63·8 | 20th Jan. | 84·2 | 65·8 | 75·0 | — |
| | | Gopalpore ... | 30·049 | 30·099 | +·020 | NNW | 219 | 83·2 | 20th ,, | 65·4 | 19th ,, | 81·4 | 66·9 | 74·2 | +3·6 |
| | | False Point ... | 30·066 | 30·088 | 0 | NNW | 165 | 87·9 | 19th & 20th Jan. | 60·0 | 22nd & 23rd Jan. | 84·8 | 62·4 | 73·6 | +5·5 |
| | Cuttack ... ... | Cuttack ... | 30·016 | 30·101 | +·025 | Calm | 22 | 92·4 | 19th & 20th Jan. | 61·8 | 20th ,, | 90·2 | 64·6 | 77·4 | +4·3 |
| | Balasore ... ... | Balasore ... | 30·049 | 30·111 | —·007 | NNW | 162·4 | 89·4 | 19th & 20th Jan. | 54·6 | 23rd ,, | 85·7 | 58·9 | 72·3 | +4·4 |
| South-West Bengal. | South-West Midnapore / South 24-Pergunnahs | Saugor Island | 30·080 | 30·107 | +·016 | Northerly | 189 | 82·2 | 21st ,, | 57·4 | 25th ,, | 80·0* | 60·3* | 70·2* | +2·4 |
| | Midnapore ... ... | Midnapore ... | 29·957 | 30·116 | +·028 | N | 86·6 | 91·3 | 20th ,, | 53·2 | 23rd ,, | 86·2 | 59·2 | 72·7 | +5·9 |
| | 24-Pergunnahs ... ... / Howrah ... ... / Hooghly ... ... | Calcutta ... | 30·082 | 30·105 | +·032 | N | 51 | 85·5 | 20th ,, | 53·8 | 22nd ,, | 80·3 | 58·1 | 69·2 | +3·1 |
| | Burdwan ... ... | Burdwan ... | 30·006 | 30·113 | +·021 | Calm | 31·2 | 87·6 | 19th ,, | 50·3 | 22nd & 23rd Jan. | 82·7 | 55·9 | 69·3 | +3·4 |
| | Bankoora ... ... | Bankoora ... | 29·785 | 30·105 | — | NW | 74 | 89·1 | 20th ,, | 51·3 | 22nd ,, | 83·2 | 57·7 | 70·5 | — |
| | Beerbhoom ... ... / West Burdwan ... ... | Raneegunge | 29·772 | 30·100 | +·001 | WNW | 74·4 | 87·5 | 19th ,, | 51·7 | 22nd ,, | 82·9 | 56·3 | 69·6 | +4·4 |
| | Moorshedabad ... ... | Berhampore | 30·036 | 30·107 | +·030 | Calm & Westerly. | 47·6 | 84·6 | 19th & 20th Jan. | 50·2 | 22nd & 23rd Jan. | 79·9 | 53·6 | 66·8 | +1·9 |
| | Nuddea ... ... | Krishnaghur... | 30·063 | 30·133 | +·079 | WNW | 90·2 | 85·7 | 20th ,, | 46·4 | 22nd ,, | 81·3 | 52·3 | 66·8 | +3·1 |
| | Jessore ... ... / Khoolna ... ... | Jessore ... | 30·079 | 30·114 | +·041 | Calm | 48·7 | 86·7 | 20th ,, | 48·9 | 22nd ,, | 81·7 | 55·6 | 68·7 | +3·4 |
| East Bengal. | Chittagong ... ... | Chittagong ... | 30·001 | 30·095 | +·027 | Calm | 45·1* | 85·1 | 19th & 20th Jan. | 52·2 | 22nd ,, | 82·8 | 57·0 | 69·9 | +2·9 |
| | Chittagong Hill Tracts | Demagiri ... | Observations not received. | | | | | | | | | | | | |
| | Backergunge ... ... | Barrisal ... | 30·084 | 30·097 | +·044 | N | 39·7 | 84·3 | 20th Jan. | 51·1 | 23rd ,, | 80·5 | 57·2 | 68·8 | +1·4 |
| | Noakholly ... ... | Noakholly ... | 30·057 | 30·103 | +·087 | Calm | 5·0 | 84·0 | 20th & 21st Jan. | 49·2 | 22nd ,, | 81·5 | 53·9 | 67·7 | +3·3 |
| | Furreedpore ... ... | Furreedpore... | 30·067 | 30·109 | +·044 | Calm | 42 | 84·3 | 20th ,, | 49·5 | 21st ,, | 77·5 | 53·6 | 65·5 | +2·1 |
| | Dacca ... ... | Dacca ... | 30·065 | 30·089 | +·031 | Calm | 44·2 | 86·1 | 20th ,, | 53·3 | 21st ,, | 81·9 | 56·9 | 69·4 | +3·2 |
| | Commillah ... ... | Commillah ... | 30·056 | 30·093 | +·027 | NW | 18·4 | 85·4 | 20th ,, | 50·1 | 22nd ,, | 82·4 | 54·9 | 68·7 | +4·7 |
| | Mymensingh ... ... | Mymensingh... | 30·035 | 30·097 | +·011 | Calm & NE | 40·3 | 77·9 | 24th ,, | 48·8 | 21st ,, | 62·3 | 53·1 | 57·7 | −4·2 |
| North Bengal. | Bogra ... ... | Bogra ... | 30·012 | 30·079 | +·028 | W | 46·8 | 84·3 | 20th ,, | 47·9 | 21st ,, | 79·6 | 53·1 | 66·4 | +3·1 |
| | Pubna ... ... | Seraigunge ... | 30·029 | 30·078 | +·010 | Westerly | 36·2 | 84·6 | 20th ,, | 48·7 | 22nd ,, | 79·2 | 52·6 | 65·9 | +3·3 |
| | Rajshahye ... ... | Rampore Beauleah. | 30·023 | 30·097 | +·034 | Southwesterly. | 69·2 | 85·0 | 20th ,, | 47·7 | 22nd ,, | 78·2 | 52·9 | 65·6 | +4·1 |
| | Maldah ... | Maldah* ... | 30·022 | 30·107 | — | NW | 81·3? | 81·0 | 20th ,, | 47·9 | 21st ,, | 80·1 | 51·4 | 65·8 | — |
| | Dinagepore ... ... | Dinagepore ... | 29·979 | 30·098 | +·038 | SW | 73 | 81·6 | 19th ,, | 46·8 | 21st ,, | 78·9 | 52·1 | 65·5 | +3·7 |
| | Rungpore ... ... | Rungpore ... | 29·954 | 30·087 | +·029 | SSW | 55 | 80·7 | 19th ,, | 46·0 | 21st ,, | 78·4† | 51·0 | 64·7† | +3·1 |
| | Julpigoree ... ... / Cooch Behar ... ... | Julpigoree ... | 29·785 | 30·091 | +·036 | NW | 34·3 | 61·9 | 22nd ,, | 48·9 | 25th ,, | 58·5 | 52·3 | 55·4 | −0·2 |
| | Darjeeling Hill Tracts ... | Darjeeling ... | 23·010 | — | +·056 | ESE | 146 | 54·1 | 21st ,, | 33·4 | 25th ,, | 45·4 | 37·0 | 42·7 | +3·3 |
| North Behar. | Purneah ... ... / North Bhagulpore ... | Purneah ... | 29·961 | 30·096 | +·017 | WSW | 47·9 | 79·7 | 21st ,, | 47·5 | 22nd ,, | 77·7 | 50·4 | 64·1 | +2·7 |
| | Mozufferpore ... ... | Mozufferpore | Observations suspended. | | | | | | | | | | | | |
| | Durbhunga ... ... | Durbhunga ... | 29·917 | 30·096 | +·019 | SW | 107 | 77·9 | 20th Jan. | 51·9 | 21st Jan. | 73·3 | 56·0 | 64·7 | +3·7 |
| | Chumparun ... ... | Motihari ... | Complete observations not to hand. | | | | | | | | | | | | |
| | Sarun ... ... | Chupra ... | 29·934 | 30·142 | +·062 | WSW | 142·6* | 65·5 | 19th ,, | 49·5 | 21st & 22nd Jan. | 69·7 | 51·8 | 56·3 | −4·9 |
| South Behar. | Shahabad ... ... | Dehree ... | 29·753 | 30·132 | +·037 | SW | 145·2 | 85·3 | 19th ,, | 52·0 | 22nd ,, | 79·6 | 55·4 | 67·5 | −0·1 |
| | | Buxar ... | 29·876 | 30·136 | +·047 | W | 111·9 | 83·4 | 19th ,, | 46·4 | 22nd ,, | 76·5 | 52·0 | 64·3 | +2·7 |
| | | Arrah ... | 29·907 | 30·120 | +·048 | Westerly | 35·0 | 82·8 | 19th ,, | 46·9 | 21st ,, | 76·7 | 50·5 | 63·6 | +2·1 |
| | Gya ... ... | Gya† ... | 29·748 | 30·152 | +·047 | SSE& Calm. | 52·0 | 84·4 | 19th ,, | 48·9 | 22nd ,, | 80·3 | 54·6 | 67·5 | +3·1 |
| | Patna ... ... | Bankipore ... | 29·925 | 30·121 | +·025 | W | 65·2 | 81·9 | 19th ,, | 47·2 | 21st ,, | 76·1 | 52·4 | 64·3 | +2·7 |
| | South Bhagulpore ... / Monghyr ... ... | Bhagulpore ... | 29·921 | 30·092 | +·036 | W | 91 | 80·3 | 19th & 20th Jan. | 47·0 | 22nd ,, | 76·2 | 53·0 | 64·6 | +2·7 |
| | Sonthal Pergunnahs ... | Doomka ... | 29·891 | 30·124 | +0·62 | Calm | 53·5 | 84·9 | 19th ,, | 47·9 | 22nd ,, | 79·0 | 53·1 | 66·5 | +4·1 |
| Chota Nagpore. | Hazaribagh ... ... | Hazaribagh ... | 29·044 | 30·148 | +·041 | Calm & westerly. | 198·7 | 81·8 | 19th ,, | 49·6 | 22nd ,, | 77·4 | 53·0 | 65·2 | +3·1 |
| | Lohardugga ... ... / Manbhoom ... ... | Ranchee ... | 27·912 | 30·125 | +·032 | Calm | 135·6 | 83·0 | 19th ,, | 48·4 | 25th ,, | 79·8 | 52·8 | 66·3 | +3·5 |
| | Singbhoom ... ... | Chyebassa ... | 29·338 | 30·139 | +·064 | Calm | 10·8 | 88·7 | 20th ,, | 51·0 | 23rd ,, | 85·6 | 55·0 | 70·3 | +4·6 |

* Means of six days.
† Do. of five ,,

*Explanation.—Summary.*—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The
are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during th
stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

the week ending Friday, the 25th of January 1889.

| Average cloud amount at 8 A.M. for week. | Rainfall of week at observing station. | Of week. Mean for district. | Of week. Normal mean. | District observations. Rainfall. Since 1st of month. Mean for district. | Since 1st of month. Normal mean. | Since 1st of month. Variation. | Since 15th May 1888. Mean for district. | Since 15th May 1888. Normal mean. | Since 15th May 1888. Variation. | Average number of rainy days. | Normal number of rainy days. | Representative station. | District. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0·4 | Nil | Nil | 0·05 | Nil | 0·14 | −0·14 | 44·12 | 55·50 | −11·38 | 0·0 | 0·2 | Pooree ... | | |
| 0·7 | Nil | — | — | — | — | — | — | — | — | — | — | Gopalpore ... | Pooree ... ... ... | Orissa. |
| 3·3 | Nil | — | — | — | — | — | — | — | — | — | — | False Point ... | | |
| 3·4 | Nil | Nil | 0·08 | Nil | 0·19 | −0·19 | 51·79 | 51·83 | −0·04 | 0·0 | 0·2 | Cuttack ... | Cuttack ... ... ... | |
| 0·9 | Nil | Nil | 0·05 | Nil | 0·21 | −0·21 | 52·87 | 53·10 | −0·23 | 0·0 | 0·2 | Balasore ... | Balasore ... ... | |
| 3·7 | Nil | Nil | 0·12 | Nil | 0·49 | −0·29 | 54·99 | 62·25 | −7·26 | 0·0 | 0·3 | Saugor Island ... | South-West Midnapore<br>South 24-Pergunnahs | South-West Bengal. |
| 1·4 | Nil | Nil | 0·06 | Nil | 0·32 | −0·32 | 61·49 | 51·38 | +10·11 | 0·0 | 0·2 | Midnapore ... | Midnapore ... ... | |
| 1·3 | 0.01 | Nil | 0·11 | Nil | 0·36 | −0·36 | 62·19 | 51·52 | +10·67 | 0·0 | 0·3 | Calcutta ... | 24-Pergunnahs ... ...<br>Howrah ... ...<br>Hooghly ... ... | |
| 1·7 | Nil | Nil | 0·16 | Nil | 0·28 | −0·28 | 55·62 | 46·59 | +9·03 | 0·0 | 0·3 | Burdwan ... | Burdwan ... ... | |
| 1·3 | Nil | Nil | 0·12 | Nil | 0·20 | −0·20 | 51·73 | 52·09 | −0·36 | 0·0 | 0·3 | Bankoora ... | Bankoora ... ... | |
| 1·6 | drops | Nil | 0·12 | 0·27 | 0·34 | −0·07 | 56·76 | 51·51 | +5·25 | 0·0 | 0·4 | Raneegunge ... | Beerbhoom ... ...<br>West Burdwan ... | |
| 1·7 | 0·10 | 0·04 | 0·14 | 0·34 | 0·38 | −0·04 | 47·16 | 50·50 | −3·34 | 0·7 | 0·4 | Berhampore ... | Moorshedabad ... ... | |
| 0·7 | Nil | Nil | 0·10 | Nil | 0·25 | −0·25 | 53·45 | 49·05 | +4·40 | 0·0 | 0·3 | Krishnaghur ... | Nuddea ... ... | |
| 0 | Nil | 0·01 | 0·14 | 0·01 | 0·36 | −0·35 | 43·90 | 53·10 | −9·20 | 0·1 | 0·3 | Jessore ... | Jessore ... ...<br>Khoolna ... ... | |
| 1·3 | Nil | Nil | 0·28 | Nil | 0·47 | −0·47 | 125·77 | 113·58 | +12·19 | 0·0 | 0·5 | Chittagong ... | Chittagong ... ... | East Bengal. |
| | | Nil | 0·27 | Nil | 0·46 | −0·46 | 72·40 | 81·42 | −9·02 | 0·0 | 0·5 | Demagiri ... | Chittagong Hill Tracts | |
| 0 | Nil | Nil | 0·18 | Nil | 0·48 | −0·48 | 71·82 | 76·82 | −5·00 | 0·0 | 0·3 | Barrisal ... | Backergunge ... ... | |
| 2·3 | Nil | Nil | 0·13 | Nil | 0·56 | −0·56 | 105·76 | 107·03 | −1·27 | 0·0 | 0·3 | Noakholly ... | Noakholly ... ... | |
| 0 | Nil | Nil | 0·12 | Nil | 0·31 | −0·31 | 47·23 | 55·59 | −8·36 | 0·0 | 0·3 | Furreedpore ... | Furreedpore ... ... | |
| 0 | Nil | Nil | 0·09 | Nil | 0·26 | −0·26 | 55·43 | 59·69 | −4·26 | 0·0 | 0·3 | Dacca ... | Dacca ... ... | |
| 0 | Nil | Nil | 0·16 | 0·20 | 0·50 | −0·30 | 61·91 | 69·17 | −7·26 | 0·0 | 0·4 | Commillah ... | Tipperah ... ... | |
| 0·3 | 0·08 | 0·07 | 0·12 | 0·40 | 0·32 | +0·08 | 66·75 | 67·26 | −0·51 | 0·8 | 0·3 | Mymensingh ... | Mymensingh ... ... | |
| 1·4 | 0·05 | 0·05 | 0·13 | 0·39 | 0·30 | +0·09 | 44·02 | 57·17 | −13·15 | 0·8 | 0·4 | Bogra ... | Bogra ... ... | |
| 0·3 | 0·11 | 0·05 | 0·09 | 0·90 | 0·30 | +0·60 | 41·62 | 53·26 | −11·64 | 0·5 | 0·4 | Serajgunge ... | Pubna ... ... | North Bengal. |
| 0·6 | 0·12 | 0·16 | 0·16 | 0·86 | 0·48 | +0·38 | 45·86 | 53·86 | −8·00 | 1·0 | 0·4 | Rampore Beauleah | Rajshahye ... ... | |
| 1·6 | 0·05 | 0·03 | 0·14 | 0·33 | 0·37 | −0·04 | 40·64 | 54·12 | −13·48 | 0·5 | 0·4 | Maldah ... | Maldah ... ... | |
| 1·0 | Nil | 0·04 | 0·19 | 0·25 | 0·30 | −0·05 | 45·86 | 57·33 | −11·47 | 0·8 | 0·4 | Dinagepore ... | Dinagepore ... ... | |
| 1·1 | 0·03 | 0·01 | 0·15 | 0·19 | 0·32 | −0·13 | 56·05 | 73·67 | −17·62 | 0·2 | 0·4 | Rungpore ... | Rungpore ... ... | |
| 0·3 | 0·64 | 0·29 | 0·23 | 0·29 | 0·28 | +0·01 | 86·28 | 111·06 | −24·78 | 0·8 | 0·5 | Julpigoree ... | Julpigoree ... ...<br>Cooch Behar ... ... | |
| 2·9 | 0·51 | 0·33 | 0·36 | 0·33 | 0·59 | −0·26 | 98·41 | 121·08 | −22·67 | 1·5 | 1·0 | Darjeeling ... | Darjeeling Hill Tracts | |
| 2·1 | Nil | 0·02 | 0·23 | 0·09 | 0·39 | −0·30 | 47·88 | 58·56 | −10·68 | 0·4 | 0·4 | Purneah ... | Purneah ... ...<br>North Bhagulpore ... | North Behar. |
| | | 0·15 | 0·17 | 0·33 | 0·48 | −0·15 | 39·72 | 43·38 | −3·66 | 1·3 | 0·4 | Mozufferpore ... | Mozufferpore ... ... | |
| 2·0 | 0·21 | 0·13 | 0·21 | 0·32 | 0·48 | −0·16 | 38·99 | 44·55 | −5·56 | 1·3 | 0·4 | Durbhunga ... | Durbhunga ... ... | |
| | | 0·23 | 0·13 | 0·23 | 0·40 | −0·17 | 41·12 | 46·53 | −5·41 | 1·0 | 0·3 | Motihari ... | Chumparun ... ... | |
| 3·0 | 0·35 | 0·45 | 0·20 | 0·64 | 0·43 | +0·21 | 38·07 | 42·74 | −4·67 | 1·3 | 0·4 | Chupra ... | Sarun ... ... | |
| 0·3 | 0·13 | | | | | | | | | | | Dehree ... | | |
| 1·4 | 0·48 | 0·22 | 0·25 | 0·25 | 0·58 | −0·33 | 42·16 | 39·97 | +2·19 | 1·4 | 0·5 | Buxar ... | Shahabad ... ... | South-West Bengal. |
| 0·9 | 0·11 | | | | | | | | | | | Arrah ... | | |
| 1·0 | Nil | 0·07 | 0·22 | 0·13 | 0·50 | −0·37 | 49·59 | 41·48 | +8·11 | 1·0 | 0·5 | Gya ... | Gya ... ... | South Behar. |
| 0·7 | 0·13 | 0·05 | 0·19 | 0·13 | 0·44 | −0·31 | 43·84 | 41·21 | +5·63 | 0·8 | 0·5 | Bankipore ... | Patna ... ... | |
| 1·1 | Nil | 0·04 | 0·20 | 0·26 | 0·39 | −0·13 | 48·54 | 43·01 | +5·53 | 0·6 | 0·5 | Bhagulpore ... | South Bhagulpore ...<br>Monghyr ... ... | |
| 1·4 | 0·11 | 0·10 | 0·15 | 0·26 | 0·31 | −0·05 | 52·50 | 50·74 | +1·76 | 0·8 | 0·4 | Doomka ... | Sonthal Pergunnahs ... | |
| 1·1 | 0·08 | 0·14 | 0·19 | 0·37 | 0·47 | −0·10 | 56·48 | 50·34 | +6·14 | 1·0 | 0·5 | Hazaribagh ... | Hazaribagh ... ... | Chota Nagpore. |
| | 0·05 | 0·16 | 0·29 | 0·26 | 0·71 | −0·45 | 50·50 | 48·97 | +1·53 | 1·0 | 0·5 | Ranchi ... | Lohardugga ... ... | |
| 1·4 | Nil | Nil | 0·16 | 0·12 | 0·38 | −0·26 | 46·47 | 46·84 | −0·37 | 0·0 | 0·4 | | Manbhoom ... ... | |
| | | Nil | 0·22 | Nil | 0·48 | −0·48 | 40·44 | 51·32 | −10·88 | 0·0 | 0·5 | Chyebassa ... | Singbhoom ... ... | |

...s are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...ount amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the norma means ...means of the distri... are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the sub-divisio al

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 25th of January 1889.

| Meteorological division. | District. | Station. | Rainfall. Saturday, 19th January 1889. | Sunday, 20th January. | Monday, 21st January. | Tuesday, 22nd January. | Wednesday, 23rd January. | Thursday, 24th January. | Friday, 25th January. | Total. Number of rainy days. | Total. Rainfall of week. | Total rainfall since 1st of month. | Average total rainfall from 1st of month. | Total rainfall since 15th May 1888. | Average rainfall from 15th May to date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Pooree | Pooree | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 41·07 | |
| | | Khurdah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 44·28 | |
| | | Banpur | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·03 | 36·78 | |
| | | False Point | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·28 | 54·24 | |
| | | *Gop* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | |
| | | *Pipli* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | |
| | Cuttack | Jagatsingpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 56·21 | |
| | | Banki | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 45·72 | |
| | | Cuttack | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·18 | 52·68 | |
| | | Kendrapara | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 45·21 | |
| | | Jajpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 61·05 | |
| | | *Dharmsala* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 56·98 | |
| | | *Salipore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | |
| | Balasore | Chandbali | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·21 | 51·03 | |
| | | Bhuddruck | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·13 | 48·51 | |
| | | Sorah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·12 | 49·62 | |
| | | Balasore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·22 | 56·98 | |
| | | Jellasore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·35 | 55·85 | |
| | | Baripodah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 54·18 | |
| South-West Bengal. | Midnapore | Contai | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·16 | 50·70 | |
| | | Sangor Island | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·21 | 52·09 | |
| | | Tumlook | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·23 | 64·80 | |
| | | Midnapore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·36 | 63·94 | |
| | | Ghattal | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·36 | 56·63 | |
| | | *Kukrahaty* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 65·28 | |
| | | *Heria* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 52·11 | |
| | | *Bhupwanpore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 49·91 | |
| | | *Garbeta* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 64·41 | |
| | 24-Pergunnahs | Diamond Harbour | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·50 | 57·18 | |
| | | *Canning Town* | ..... | ..... | ..... | ..... | ..... | ..... | 0·57 | 1 | 0·57 | 0·57 | ? | 56·12 | |
| | | Alipore Jail | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·50 | 61·95 | |
| | | Barrackpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·54 | 61·50 | |
| | | Dum-Dum | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·44 | 63·74 | |
| | | Baraset | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·29 | 64·53 | |
| | | Buseerhat | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·31 | 51·31 | |
| | Howrah | Howrah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·41 | 65·57 | |
| | | Mohesreka (*Goloberiah.*) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·40 | 58·78 | |
| | Hooghly | Serampore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·29 | 60·05 | |
| | | Hooghly | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·27 | 66·75 | |
| | | Jehanabad | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·22 | 61·02 | |
| | Burdwan | Culna | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·29 | 60·27 | |
| | | Burdwan | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·18 | 46·49 | |
| | | Cutwa | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·35 | 60·08 | |
| | | Raneegunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·18 | 0·24 | 57·19 | |
| | | *Mankar* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 42·19 | |
| | Bankoora | Bankoora | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 48·55 | |
| | | Bishenpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 53·34 | |
| | | Malara | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 49·98 | |
| | | Khatra | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·30 | 56·02 | |
| | | Indas | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 41·26 | |
| | | Kotalpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 46·84 | |
| | | Anda | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 57·81 | |
| | | Gangajalghati | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 56·17 | |
| | | *Raipore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 55·17 | |
| | | Sonamukhi | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 45·70 | |
| | Beerbhoom | Bh. Soory | ..... | ..... | ..... | ..... | ..... | 0·05 | ..... | 1 | 0·05 | 0·07 | 0·35 | 53·68 | |
| | | Hetampore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·28 | 0·39 | 47·46 | |
| | | Rampore Haut | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·28 | 0·43 | 68·72 | |
| | | *Reipore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 61·55 | |
| | | *Murarai* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | |
| | Nuddea | Ranaghat | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 62·51 | |
| | | Kishnaghur | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·23 | 68·39 | |
| | | Chooadanga | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 52·23 | |
| | | Meherpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 47·90 | |
| | | Koosnea | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 39·23 | |
| | Khoolna | Satkhira | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·33 | 58·24 | |
| | | Bagirhat | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·47 | 50·37 | |
| | | Khooina | ..... | ..... | ..... | ..... | ..... | ..... | 0·07 | 1 | 0·07 | 0·07 | 0·40 | 48·26 | |
| | Jessore | Narail | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·49 | 29·99 | |
| | | Jessore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·36 | 50·51 | |
| | | Jhenidah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·28 | 35·64 | |
| | | Magoorah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·20 | 42·80 | |
| | | Bongong | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 40·00 | |
| | Moorshedabad | Kandi | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·18 | 0·28 | 51·69 | |
| | | Berhampore | ..... | ..... | ..... | ..... | ..... | ..... | 0·10 | 1 | 0·10 | 0·24 | 0·44 | 41·39 | |
| | | Lalbagh | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·08 | 0·19 | 46·31 | |
| | | Azimgunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | | | | 0·49 | ? | |
| | | Jungipore | ..... | ..... | ..... | ..... | ..... | ..... | 0·07 | 1 | 0·07 | 0·80 | 0·42 | 46·27 | |
| | | Laigola | ..... | ..... | ..... | ..... | ..... | ..... | 0·04 | 1 | 0·04 | 0·29 | 0·50 | 51·34 | |
| | | *Jiagunge* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 0·03 | 0·23 | ? | 46·70 | |
| | | *Akriganj* | ..... | ..... | ..... | ..... | ..... | ..... | 0·03 | 1 | 0·06 | 0·26 | ? | 46·67 | |
| | | *Patkabari* | ..... | ..... | ..... | ..... | ..... | ..... | 0·06 | Nil | Nil | Nil | ? | 45·70 | |
| East Bengal. | Chittagong | Cox's Bazar | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·44 | 146·44 | |
| | | Chittagong | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·49 | 105·38 | |
| | | *Kutubdia* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 116·99 | |
| | | *Satkania* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 91·41 | |
| | Chittagong Hill Tracts. | Rangamati | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·47 | 74·35 | |
| | | Rama | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·44 | 69·36 | |
| | Backergunge | Patuakhally | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·47 | 83·60 | |
| | | Perozepore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·26 | 61·99 | |
| | | Burrisal | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 65·29 | |
| | | Bhola | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·23 | 74·97 | |

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 25th of January 1889—contd.

| Meteorological Division. | District. | Station. | Rainfall. Saturday, 19th January 1889. | Sunday, 20th January. | Monday, 21st January. | Tuesday, 22nd January. | Wednesday, 23rd January. | Thursday, 24th January. | Friday, 25th January. | Total. Number of rainy days. | Total. Rainfall of week. | Total rainfall since 1st of month. | Average total rainfall from 1st of month. | Total rainfall since 15th May 1888. | Average rainfall from 15th May to date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BENGAL—contd. | | *Gournaddi* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 49·28 | ? |
| | | *Bauphal* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 48·35 | ? |
| | Noakholly | Noakholly | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·46 | 166·99 | 167·06 |
| | | Feeny | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·65 | 164·53 | 166·37 |
| | | *Harishpore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 129·82 | ? |
| | | *Ramganj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 88·23 | ? |
| | Furreedpore | Madaripore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·42 | 45·71 | 53·65 |
| | | Furreedpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 52·01 | 56·11 |
| | | Goalundo | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·30 | 43·98 | 52·84 |
| | Dacca | Munshiganje | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·35 | 61·04 | 66·97 |
| | | Dacca | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·25 | 52·35 | 58·28 |
| | | Naraingunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·14 | 52·93 | 59·43 |
| | | Manickgunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·31 | 45·74 | 49·91 |
| | | *Joydebpore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·20 | ? | 59·08 | ? |
| | Hill Tipperah | Agartola | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·42 | 0·54 | 53·90 | 61·57 |
| | Tipperah | Comilla | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·53 | 68·91 | 75·80 |
| | | Chandpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·35 | 56·55 | 77·73 |
| | | Brahmunberia | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·39 | 0·57 | 69·16 | 61·04 |
| | | *Ramchandrapore.* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 60·16 | ? |
| | | *Nasirnagar* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·25 | ? | 58·59 | ? |
| | | *Daudkandi* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 64·18 | ? |
| | | *Kasba* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·32 | ? | 56·60 | ? |
| | | *Laksham* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 78·02 | ? |
| | Mymensingh | Kishoregunge | ..... | ..... | ..... | ..... | ..... | 0·04 | ..... | 1 | 0·04 | 0·69 | 0·53 | 83·32 | 70·03 |
| | | Atia (*Tangail*) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·72 | 0·35 | 38·56 | 55·32 |
| | | Mymensingh | ..... | ..... | ..... | ..... | ..... | 0·08 | ..... | 1 | 0·08 | 0·19 | 0·26 | 69·43 | 73·80 |
| | | Jamalpore | ..... | ..... | ..... | ..... | ..... | ..... | 0·11 | 1 | 0·11 | 0·26 | 0·38 | 64·91 | 65·15 |
| | | Nasirabad | ..... | ..... | ..... | ..... | ..... | 0·12 | ..... | 1 | 0·12 | 0·12 | 0·09 | 77·44 | 71·72 |
| | | *Subornakhali* | ..... | ..... | ..... | ..... | ..... | 0·08 | ..... | 1 | 0·08 | 1·08 | ? | 61·84 | ? |
| | | *Durgapore* | ..... | ..... | ..... | ..... | ..... | 0·30 | ..... | 1 | 0·30 | 0·30 | ? | 108·21 | ? |
| | | *Sherpore town* | ..... | ..... | ..... | ..... | ..... | 0·07 | ..... | 1 | 0·07 | 0·17 | ? | ? | ? |
| | | *Dewanganj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·42 | ? | 55·14 | ? |
| | Pubna | Pubna | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·27 | 39·56 | 53·76 |
| | | Seraigunge | ..... | ..... | ..... | ..... | ..... | ..... | 0·09 | 1 | 0·09 | 1·79 | 0·32 | 43·59 | 53·66 |
| | Bogra | Sherpore | ..... | ..... | ..... | ..... | ..... | 0·05 | ..... | 1 | 0·05 | 0·66 | 0·30 | 41·89 | 57·75 |
| | | Nowzhilla | ..... | ..... | ..... | ..... | ..... | 0·10 | ..... | 1 | 0·10 | 0·20 | 0·30 | 49·48 | 54·67 |
| | | Bogra | ..... | ..... | ..... | ..... | ..... | 0·06 | ..... | 1 | 0·06 | 0·44 | 0·40 | 41·29 | 60·55 |
| | | Panchbibi | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·21 | 0·21 | 43·43 | 55·66 |
| | Rajshahye | Benuleah | ..... | ..... | ..... | ..... | ..... | 0·13 | ..... | 1 | 0·13 | 0·51 | 0·37 | 31·58 | 52·88 |
| | | Nattore | ..... | ..... | ..... | ..... | ..... | 0·29 | ..... | 1 | 0·29 | 1·23 | 0·59 | 60·16 | 54·90 |
| | | *Naogaon* | ..... | ..... | ..... | ..... | ..... | 0·10 | ..... | 1 | 0·10 | 0·51 | ? | 36·48 | ? |
| | | *Lalpore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 38·75 | ? |
| | | *Manda* | ..... | ..... | ..... | ..... | ..... | 0·08 | ..... | 1 | 0·08 | 0·60 | ? | 30·24 | ? |
| | Maldah | Maldah | ..... | ..... | ..... | ..... | ..... | 0·05 | ..... | 1 | 0·05 | 0·53 | 0·32 | 48·19 | 51·69 |
| | | Chanchai | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·13 | 0·41 | 33·06 | 50·60 |
| | | *Gajol* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·09 | ? | 37·08 | ? |
| | | *Sibganj* | ..... | ..... | ..... | ..... | ..... | 0·10 | ..... | 1 | 0·10 | 0·17 | ? | 45·83 | ? |
| | Dinagepore | Mohadsbpore | ..... | ..... | ..... | ..... | ..... | 0·08 | ..... | 1 | 0·08 | 0·63 | 0·27 | 38·07 | 58·32 |
| | | Churamon | ..... | ..... | ..... | ..... | ..... | 0·06 | ..... | 1 | 0·06 | 0·24 | 0·29 | 46·21 | 53·19 |
| | | Raigunge | ..... | ..... | ..... | ..... | ..... | 0·03 | ..... | 1 | 0·03 | 0·15 | 0·39 | 49·32 | 59·11 |
| | | Dinagepore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·06 | 0·30 | 50·86 | 63·88 |
| | | Balcorchat | ..... | ..... | ..... | ..... | ..... | 0·05 | ..... | 1 | 0·05 | 0·21 | 0·22 | 58·88 | 58·32 |
| | | Thakoorgaon | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 49·98 | ? |
| | Rungpore | Bhawanigunge (*Gyabanda*) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·18 | 0·31 | 45·43 | 61·58 |
| | | Rungpore | ..... | ..... | ..... | ..... | ..... | 0·04 | ..... | 1 | 0·04 | 0·26 | 0·32 | 51·88 | 74·39 |
| | | Kurigram | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·12 | 0·39 | 73·66 | 76·38 |
| | | Bagdogra (*Nilphamari*) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·18 | 0·32 | 55·13 | 85·02 |
| | | *Ulipore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 54·40 | ? |
| | Julpigoree | Julpigoree | ..... | ..... | ..... | ..... | ..... | 0·06 | 0·40 | 2 | 0·46 | 0·46 | 0·39 | 104·22 | 117·53 |
| | | *Alipore Doar* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 79·53 | ? |
| | | *Fallacotta* | ..... | ..... | ..... | ..... | ..... | ..... | 0·19 | 1 | 0·19 | 0·19 | ? | 90·26 | ? |
| | | *Debiganj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 60·54 | ? |
| | Cooch Behar | Dinhatta | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·33 | 89·79 | 92·86 |
| | | Cooch Behar | ..... | ..... | ..... | ..... | ..... | ..... | 0·95 | 1 | 0·95 | 0·95 | 0·31 | 90·21 | 118·40 |
| | | Mickligunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·19 | 74·80 | 107·97 |
| | | Matabhanga | ..... | ..... | ..... | ..... | ..... | ..... | 0·02 | 1 | 0·02 | 0·02 | 0·22 | 72·56 | 116·70 |
| | Darjeeling Hill. | Buxa | ..... | ..... | ..... | ..... | ..... | 0·21 | 0·17 | 2 | 0·38 | 0·38 | 0·89 | 155·74 | 192·36 |
| | | Silliguri | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·47 | 81·37 | 103·51 |
| | | Darjeeling | ..... | ..... | ..... | ..... | ..... | 0·45 | 0·06 | 2 | 0·51 | 0·51 | 0·44 | 87·08 | 108·34 |
| | | Kalimpong | ..... | ..... | ..... | ..... | ..... | 0·38 | 0·04 | 2 | 0·42 | 0·42 | 0·55 | 68·64 | 83·00 |
| | Purneah | Kissengunge | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·49 | 47·38 | 70·37 |
| | | Arrareah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·36 | 50·92 | 63·66 |
| | | Purneah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·15 | 0·36 | 44·04 | 61·32 |
| | | *Gondwara* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·18 | ? | ? | ? |
| | | *Balarampore* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·13 | ? | ? | ? |
| | | *Mataari* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | ? |
| | | *Kaliaganj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 57·69 | ? |
| | North Bhagulpore | Maddspore | ..... | ..... | ..... | ..... | ..... | 0·02 | ..... | 1 | 0·02 | 0·18 | 0·38 | 55·38 | 49·61 |
| | | Soopool | ..... | ..... | ..... | ..... | ..... | 0·06 | ..... | 1 | 0·06 | 0·10 | 0·34 | 41·25 | 48·21 |
| | | *Protabganj* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·73 | ? |
| | Durbhunga | Tajpore | ..... | ..... | ..... | ..... | ..... | 0·05 | ..... | 1 | 0·05 | 0·30 | 0·53 | 40·40 | 43·11 |
| | | Durbhunga | 0·10 | ..... | ..... | ..... | ..... | 0·11 | ..... | 2 | 0·21 | 0·25 | 0·35 | 39·44 | 45·81 |
| | | Madhubani | ..... | ..... | ..... | ..... | ..... | 0·14 | ..... | 1 | 0·14 | 0·44 | 0·35 | 41·05 | 44·98 |
| | | *Bighera* | ..... | ..... | ..... | ..... | ..... | 0·07 | ..... | 1 | 0·07 | 0·13 | ? | 51·13 | ? |
| | | *Rashera* | ..... | ..... | ..... | ..... | ..... | 0·10 | ..... | 1 | 0·10 | 0·46 | ? | 43·33 | ? |
| | Monufferpore | Sitamarhi | ..... | ..... | ..... | ..... | ..... | 0·15 | ..... | 1 | 0·15 | 0·18 | 0·28 | 31·39 | 43·00 |
| | | Monufferpore | ..... | ..... | ..... | ..... | ..... | 0·15 | ..... | 1 | 0·15 | 0·65 | 0·59 | 41·00 | 45·49 |
| | | Belipore | 0·09 | ..... | ..... | ..... | ..... | 0·07 | ..... | 2 | 0·16 | 0·16 | 0·50 | 45·66 | 41·91 |
| | | *Para* | ..... | ..... | ..... | ..... | ..... | 0·29 | ..... | 1 | 0·29 | 0·55 | ? | 37·27 | ? |
| | | *Jaleea* | ..... | ..... | ..... | ..... | ..... | 0·60 | ..... | 1 | 0·60 | 0·60 | ? | 36·62 | ? |
| | | *Sithar* | | | | | | | | | | | ? | | ? |
| | | *Tupri* | ..... | ..... | ..... | ..... | ..... | 0·17 | ..... | 1 | 0·17 | 0·17 | ? | 23·33 | ? |
| | Cumparun | Motihari | ..... | ..... | ..... | ..... | ..... | 0·23 | ..... | 1 | 0·23 | 0·23 | 0·46 | 36·37 | 44·55 |
| | | Bettiah | ..... | ..... | ..... | ..... | ..... | 0·22 | ..... | 1 | 0·22 | 0·22 | 0·54 | 42·00 | 48·40 |
| | | *Bagaha* | ..... | ..... | ..... | ..... | ..... | 0·19 | ..... | 1 | 0·19 | 0·25 | ? | 53·25 | ? |
| | | *Barharwa* | ..... | ..... | ..... | ..... | ..... | 0·39 | ..... | 1 | 0·39 | 0·44 | ? | 53·40 | ? |

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 25th of January 1889—co

| Meteorological Division. | District. | Station. | Rainfall. Saturday, 19th January 1889. | Sunday, 20th January. | Monday, 21st January. | Tuesday, 22nd January. | Wednesday, 23rd January. | Thursday, 24th January. | Friday, 25th January. | Total number of rainy days. | Total Rainfall of week. | Total rainfall since 1st of month. | Average total rainfall from 1st of month. | Total rainfall since 15th May 1888. | A fr t |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| North Behar —*concluded.* | Sarun | Gopalgunge ... | ..... | ..... | ..... | ..... | ..... | 0·53 | ..... | 1 | 0·53 | 0·53 | 0·26 | 36·33 | |
| | | Sewan ... | ..... | ..... | ..... | ..... | ..... | 0·45 | ..... | 1 | 0·45 | 0·93 | 0·55 | 41·51 | |
| | | Chuprah ... | 0·14 | ..... | ..... | ..... | ..... | 0·22 | ..... | 2 | 0·36 | 0·48 | 0·49 | 36·15 | |
| South Behar | Shahabad | Buxar ... | 0·05 | ..... | ..... | ..... | ..... | 0·30 | ..... | 2 | 0·35 | 0·35 | 0·65 | 41·09 | |
| | | Dehree ... | ..... | ..... | ..... | ..... | ..... | 0·13 | ..... | 1 | 0·13 | 0·13 | 0·73 | 43·61 | |
| | | Bhubooah ... | ..... | ..... | ..... | ..... | ..... | 0·30 | ..... | 1 | 0·30 | 0·40 | 0·64 | 40·57 | |
| | | Sasseram ... | ..... | ..... | ..... | ..... | ..... | 0·20 | ..... | 1 | 0·20 | 0·40 | 0·40 | 41·93 | |
| | | Arrah ... | 0·02 | ..... | ..... | ..... | ..... | 0·12 | ..... | 2 | 0·14 | 0·19 | 0·51 | 43·63 | |
| | | *Mohania* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | | | | ? | | |
| | Gya ... | Aurungabad... | ..... | ..... | ..... | ..... | ..... | 0·08 | ..... | 1 | 0·08 | 0·08 | 0·46 | 53·40 | |
| | | Gya ... | ..... | ..... | ..... | ..... | ..... | 0·05 | ..... | 1 | 0·05 | 0·05 | 0·42 | 51·41 | |
| | | Nowadah ... | ..... | ..... | ..... | ..... | ..... | 0·09 | ..... | 1 | 0·09 | 0·27 | 0·60 | 48·12 | |
| | | Jehanabad ... | ..... | ..... | ..... | ..... | ..... | 0·06 | ..... | 1 | 0·06 | 0·11 | 0·51 | 45·40 | |
| | | *Arwal* ... | ..... | ..... | ..... | ..... | ..... | 0·19 | ..... | 1 | 0·19 | 0·19 | ? | 37·78 | |
| | | *Daudnagar* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 42·30 | |
| | | *Sherghati* ... | ..... | ..... | ..... | ..... | ..... | 0·11 | ..... | 1 | 0·11 | 0·21 | ? | 35·05 | |
| | | *Rajauli* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 27·93 | |
| | | *Pakri Rarawan* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 37·66 | |
| | Patna ... | Patna ... | 0·05 | ..... | ..... | ..... | ..... | 0·08 | ..... | 2 | 0·13 | 0·17 | 0·45 | 39·79 | |
| | | Dinapore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·44 | 41·76 | |
| | | Behar ... | ..... | ..... | ..... | ..... | ..... | 0·07 | ..... | 1 | 0·07 | 0·07 | 0·52 | 52·02 | |
| | | Barrh ... | ..... | ..... | ..... | ..... | ..... | ... .. | ... .. | Nil | Nil | 0·28 | 0·35 | 53·85 | |
| | | *Bickram* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 38·60 | |
| | | *Hilsa* ... | ..... | ..... | ..... | ..... | ..... | 0·02 | ..... | 1 | 0·02 | 0·02 | ? | 45·83 | |
| | Monghy | Begoosera ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·24 | 0·46 | 46·31 | |
| | | Monghyr ... | ..... | ..... | ..... | ..... | ..... | 0·02 | ..... | 1 | 0·02 | 0·16 | 0·35 | 53·77 | |
| | | Jamui ... | ..... | ..... | ..... | ..... | ..... | 0·07 | ..... | 1 | 0·07 | 0·34 | 0·46 | 49·15 | |
| | | *Gogri* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·32 | ? | 58·91 | |
| | | *Sheikpura* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 58·18 | |
| | South Bhagulpore. | Bhagulpore ... | ..... | ..... | ..... | ..... | ..... | 0·13 | ..... | 1 | 0·13 | 0·37 | 0·32 | 53·37 | |
| | | Banka ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·23 | 0·40 | 40·11 | |
| | | *Kolgong* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | | | 0·19 | ? | 50·37 | |
| | Sonthal Pergunnahs | Rajmehal ... | ..... | ..... | ..... | ..... | ..... | 0·12 | ..... | 1 | 0·12 | 0·58 | 0·11 | 46·74 | |
| | | Godda ... | ..... | ..... | ..... | ..... | ..... | 0·20 | ..... | 1 | 0·20 | 0·20 | 0·28 | 47·84 | |
| | | Pakour ... | ..... | ..... | ..... | ..... | ..... | 0·08 | ..... | 1 | 0·08 | 0·08 | 0·21 | 61·61 | |
| | | Nya Doomka ... | ..... | ..... | ..... | ..... | ..... | 0·11 | ..... | 1 | 0·11 | 0·38 | 0·50 | 51·57 | |
| | | Deogner ... | ..... | ..... | ..... | ..... | ..... | 0·11 | ..... | 1 | 0·11 | 0·11 | 0·37 | 53·09 | |
| | | Jamtara ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·30 | 0·36 | 53·81 | |
| | | *Mohagama* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·06 | ? | ? | |
| | | *Nantaar* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 28·22 | |
| Chutia Nagpur. | Hazaribagh ... | Pachamba (*Giridi*). | ..... | ..... | ..... | ..... | ..... | 0·21 | ..... | 1 | 0·21 | 0·21 | 0·27 | 55·63 | |
| | | Hazaribagh ... | ..... | ..... | ..... | ..... | ..... | 0·08 | ..... | 1 | 0·08 | 0·24 | 0·45 | 54·76 | |
| | | Semtagurah ... | ..... | ..... | ..... | ..... | ..... | 0·10 | ..... | 1 | 0·10 | 0·57 | 0·49 | 55·40 | |
| | | Mahudi Hills | | | | | | | | | | | 0·66 | | |
| | | Jhoomra Hills | | | | | | | | | | | 0·58 | | |
| | | *Barhi* ... | ..... | ..... | ..... | ..... | ..... | 0·15 | ..... | 1 | 0·15 | 0·58 | ? | 50·23 | |
| | | *Chatra* ... | ..... | ..... | ..... | ..... | ..... | 0·15 | ..... | 1 | 0·15 | 0·25 | ? | 54·13 | |
| | | *Karagdeha* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·10 | ? | 61·93 | |
| | | *Ramghar* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 46·33 | |
| | Lohardugga ... | Lohardugga ... | ..... | ..... | ..... | ..... | ..... | 0·07 | ..... | 1 | 0·07 | 0·07 | 1·05 | 46·54 | |
| | | Ranchi ... | ..... | ..... | ..... | ..... | ..... | 0·05 | ..... | 1 | 0·05 | 0·07 | 0·51 | 53·89 | |
| | | Palamow ... | ..... | ..... | ..... | ..... | ..... | 0·35 | ..... | 1 | 0·35 | 0·64 | 0·56 | 52·09 | |
| | | *Silli* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | |
| | | *Balumat* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 63·42 | |
| | | *Hosseinabad* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | ? | |
| | | *Garwah* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 48·68 | |
| | Singbhoom ... | Chyebassa ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·48 | 40·44 | |
| | | *Chakradharpore.* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 54·93 | |
| | | *Ghatsilla* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 54·39 | |
| | | *Baharagura* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 58·35 | |
| | Manbhoom ... | Purulia ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·12 | 0·34 | 56·63 | |
| | | Gobindpore ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·12 | 0·42 | 56·30 | |
| | | *Raghunatapore.* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | 0·09 | ? | 52·39 | |
| | | *Barrabhoom* ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 50·64 | |
| | | *Jhalda* ... | | | | | | | | | | | | | |
| | | *Chas* ... | | | | | | | | | | | | | |

*Explanation.*—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 29th January* 1889.

## SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 25TH JANUARY 1889.

THE meteorological conditions in Bengal at the end of the previous week were very abnormal from the fact that temperature was excessive, while humidity was also high, and the most important weather changes during the present week have been—first, the reduction of temperature in Bengal, in some districts of which an excess of 7° continued during the two first days of the week; second, the decrease of humidity reported on Sunday, the 20th, especially in South Bengal with the renewal of northerly winds; and third, the changes consequent on the extension towards the end of the week to Behar, South Bengal, and Orissa, of two disturbances which had formed in Central and Northern India.

On Saturday, the 19th, a few showers fell in Behar, but the skies were everywhere rapidly clearing, and fine weather became general over the whole of the province. Temperature was still abnormally high, and southerly winds recommenced at the head of the Bay, in consequence of the low-pressure area which prevailed over North Bengal. This low-pressure area filled up, however, on the following day, and northerly winds returned over South Bengal and the Bay, and these caused a large reduction of humidity, though the temperature still remained rather high, specially in the southern districts. The excess temperature was generally largest during the day, and when the high temperature began to give way, the change was greatest in the night temperatures. On the 21st pressure increased rapidly in South Bengal and Orissa, and was accompanied by a large reduction of temperature, the fall amounting in some cases to almost 10°. From the 21st to the 24th fine weather prevailed in all districts, until the fall of the barometer and increase of humidity in Orissa and Behar were caused by the eastward movement of the disturbances in Central and Northern India. During these days the pressure and temperature were falling in South-West Bengal and Orissa, giving a slightly defective temperature in the western parts of these districts. On the 24th pressure continued falling in Orissa, due to the easterly movement of the depression which had formed in Central India but rose elsewhere, and a low-pressure area became distinctly marked over Orissa and part of South-West Bengal. This affected the weather in Bengal on Thursday, giving cloudy weather and slight showers. The disturbance rapidly passed away, and had almost ceased to exist on Friday, the 25th. The few showers and humid cloudy weather which obtained in Behar on Thursday were caused by the eastward passage of the second depression which had formed in Northern India, but its influence also rapidly disappeared, and with the rising pressure on Thursday fine weather was quickly restored, and ordinary north-east monsoon conditions obtained generally at the end of the week.

*Pressure.*—Pressure was almost normal at the beginning of the week, and for the first two days only small irregular changes took place, without sensibly altering the variation from the normal at the different stations. On Monday, the 21st, a general, and in some districts a rapid, rise occurred, giving everywhere an excess. The rise was most rapid in Behar, North Bengal and Assam, the greatest change of over one-tenth of an inch being at Purneah. This was partly removed on the following day, when there was a general fall, largest in Behar, where it averaged about ·05." On Wednesday the fall continued with great rapidity in Orissa and the western districts of the Province, in connection with the low-pressure areas which had formed in Central India and the Punjab, both of which moved eastward. On Thursday the low pressure over Orissa and the north-west corner of the Bay intensified, and was made more decided by a rise elsewhere, especially towards the east. The depression rapidly filled up, a general rise being reported on Friday, especially in Orissa and South-West Bengal. The important changes during the week were therefore the rise on Monday, the fall on Tuesday and Wednesday, and the filling up of the Orissa low-pressure area. The changes were otherwise irregular, and the normal pressure conditions with which the week opened were almost restored at the close, though the average pressure for the week was slightly higher than the normal.

*Temperature.*—Notwithstanding the rapid fall of temperature which took place in the early part of the week, the average mean temperature for the Province has been about 3° above the normal, the excess being strongly marked in Orissa and Chutia Nagpur, where it has equalled from 4° to 5°.

The general range and distribution of temperature for the week and its variation from the normal is shown in the following table, where the average maximum, minimum and mean temperatures at nine typical stations in the Province are compared with the normal

values for the same period. In both day and night readings it will be seen that temperature has been considerably in excess:—

*Table showing the excess or defect of the actual mean temperature from the normal for the week ending the 25th of January* 1889.

| | Normal mean maximum temperature for the week ending 25th January. | Actual mean maximum temperature for the week ending 25th January 1889. | Variation of actual mean from the normal. | Normal mean minimum temperature for the week ending 25th January. | Actual mean minimum temperature for the week ending 25th January 1889. | Variation of actual mean from the normal. | Normal mean daily temperature for the week ending 25th January. | Actual mean daily temperature for the week ending 25th January 1889. | Variation of actual mean from the normal. |
|---|---|---|---|---|---|---|---|---|---|
| Cuttack ... ... ... ... ... | 85·3 | 90·2 | +4·9 | 69·5 | 64·6 | +4·1 | 72·9 | 77·4 | +4·5 |
| Calcutta ... ... ... ... ... | 77·3 | 80·3 | +3·0 | 54·9 | 58·1 | +3·2 | 66·1 | 69·2 | +3·1 |
| Dacca ... ... ... ... ... | 77·2 | 81·9 | +4·7 | 55·2 | 56·9 | +1·7 | 66·2 | 69·4 | +3·2 |
| Burdwan ... ... ... ... ... | 77·4 | 82·7 | +5·3 | 54·5 | 55·9 | +1·4 | 65·9 | 69·3 | +3·4 |
| Patna ... ... ... ... ... | 73·5 | 76·1 | +2·6 | 49·7 | 52·4 | +2·7 | 61·6 | 64·3 | +2·7 |
| Gya ... ... ... ... ... | 76·2 | 80·3 | +4·1 | 51·5 | 54·6 | +3·1 | 63·8 | 67·5 | +3·7 |
| Purneah ... ... ... ... ... | 75·3 | 77·7 | +2·4 | 47·4 | 50·4 | +3·0 | 61·4 | 64·1 | +2·7 |
| Hazaribagh ... ... ... ... ... | 73·4 | 77·4 | +4·0 | 50·6 | 53·0 | +2·4 | 62·0 | 65·2 | +3·2 |
| Darjeeling ... ... ... ... ... | 44·7 | 48·4 | +3·7 | 34·0 | 37·0 | +3·0 | 39·4 | 42·7 | +3·3 |

*Rainfall*.—The average rainfall in North Bengal, Behar, and Chutia Nagpur for the week has been between a tenth and a fifth of an inch; elsewhere it has been practically rainless. The largest falls have actually occurred in the Sarun, Darjeeling, Jupigooree, Cooch Behar, and Shahabad districts; but even here the falls have averaged considerably less than half an inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 25th of January 1889:—

| Meteorological Divisions. | Temperature. | | | | | | Rainfall. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest observed during week. | Lowest observed during week. | Averages for week. | | | Average mean of week above or below normal mean of week. | Of week. | | | Rainy days. | | | Since 1st of month. | | Since 15th May 1888. | |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | | Average. | Normal average. | Variation. | Average number in week. | Normal average number in week. | Variation. | Average. | Normal average. | Average. | Normal average. |
| Orissa ... ... ... | 92·4 | 54·0 | 85·3 | 63·7 | 74·5 | +4·5 | Nil | ·06 | —0·06 | 0·0 | 0·3 | —0·3 | Nil | 0·18 | 50·48 | 53·28 |
| South-West Bengal ... | 91·3 | 46·4 | 82·0 | 56·6 | 69·3 | +3·5 | 0·01 | 0·12 | —0·11 | 0·1 | 0·4 | —0·3 | 0·07 | 0·32 | 54·39 | 51·86 |
| East Bengal ... ... | 86·1 | 48·8 | 78·4 | 55·2 | 66·8 | +2·3 | 0·01 | 0·16 | —0·15 | 0·1 | 0·5 | —0·4 | 0·11 | 0·40 | 70·68 | 74·15 |
| North Bengal ... ... | 84·3 | 46·0 | 76·1 | 52·2 | 64·2 | +1·9 | 0·10 | 0·17 | —0·07 | 0·7 | 0·5 | +0·2 | 0·39 | 0·32 | 53·58 | 70·34 |
| North Behar ... ... | 79·7 | 47·5 | 70·6 | 52·7 | 61·7 | +0·2 | 0·17 | 0·20 | —0·03 | 1·0 | 0·6 | +0·4 | 0·30 | 0·44 | 41·91 | 38·63 |
| South Behar ... ... | 85·3 | 46·4 | 77·9 | 53·0 | 65·5 | +3·7 | 0·10 | 0·20 | —0·10 | 1·0 | 0·5 | +0·5 | 0·22 | 0·44 | 48·41 | 45·74 |
| Chutia Nagpur ... ... | 85·0* | 48·4* | 78·6* | 52·9* | 65·8* | +4·3* | 0·11 | 0·22 | —0·11 | 0·7 | 0·5 | +0·2 | 0·27 | 0·52 | 50·44 | 49·45 |

* Chyebassa not included.

Meteorological Office, Bengal;
*The 29th January* 1889.

A. Pedler,
*Offg. Meteorological Reporter to the Govt. of Bengal.*

## Results of the Meteorological Observations taken at the Alipore Observatory from 20th to 26th January 1889.

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rain. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1889. | | ° | | Inches. | ° | ° | ° | ° | ° | Inches | ° | % | | | Inches. | |
| Jan. | 20th | 137·5 | 9·7 | 30·033 | 71·5 | 82·2 | 18·3 | 63·9 | 63·5 | 0·479 | 57·8 | 64 | N by W and NW ... | 88 | Nil | Chiefly clear, b. |
| ,, | 21st | 133·0 | 9·0 | ·079 | 66·1 | 78·2 | 23·7 | 54·5 | 57·9 | ·375 | 51·0 | 61 | NNW and calm ... | 51 | ,, | Chiefly clear, b, ≡. |
| ,, | 22nd | 133·8 | 9·5 | ·037 | 64·7 | 77·7 | 24·1 | 53·6 | 56·8 | ·358 | 49·8 | 62 | NW by N and calm | 49 | ,, | Clear, b. |
| ,, | 23rd | 133·5 | 7·5 | 29·966 | 65·1 | 78·5 | 24·4 | 54·1 | 59·6 | ·442 | 55·5 | 74 | WNW and W ... | 26 | ,, | Clear, ≡, b. |
| ,, | 24th | 126·3 | 3·5 | ·998 | 67·9 | 76·6 | 17·8 | 58·8 | 63·4 | ·527 | 60·4 | 79 | NNE calm and variable. | 42 | 0·01 | Chiefly cloudy, o, d, g, ≡, b. |
| ,, | 25th | 129·5 | 8·7 | 30·064 | 67·8 | 77·9 | 18·6 | 59·3 | 62·0 | ·482 | 57·9 | 72 | NNE and calm ... | 42 | Nil | Chiefly clear, b, ≡. |
| ,, | 26th | 132·0 | 9·6 | ·124 | 66·8 | 78·5 | 21·2 | 57·3 | 59·5 | ·414 | 53·7 | 63 | NE by E and calm... | 41 | ,, | Clear, b. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 30·043 |
| The average pressure of the corresponding period for 24 years, S. G.'s Office ... | 30·003 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 57·5 |
| The maximum possible number of hours of sunshine ... ... ... | 76·7 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 67·1 |
| The average temperature of the corresponding period for 24 years, S. G.'s Office | 68·4 |
| The extreme variation of temperature ... ... ... ... | 28·6 |
| The maximum temperature ... ... ... ... ... | 82·2 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 12 |
| | lbs. |
| The highest pressure of wind on one square foot ... ... ... | Not measurable. |
| | % |
| The mean relative humidity ... ... ... ... ... | 68 |
| The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... ... ... ... ... ... | 70 |
| | Inches. |
| The total fall of rain from 20th to 26th January 1889 ... ... | 0·01 |
| The average fall of the corresponding period for 24 years, S. G.'s Office ... | 0·08 |
| The total fall from 1st to 26th January 1889 ... ... ... | 0·01 |
| The average fall of the corresponding period for 24 years, S. G.'s Office ... | 0·22 |

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, ≡ fog, ⌓ dew.

A. Pedler,
*For Offg. Meteorological Reporter to the Govt. of India.*

Meteorological Office, Govt. of India;
*Calcutta, the 28th January* 1889.

## Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 20th to 26th January 1889.

| Month. | Date. | Temperature. | | | | Mean wet bulb. | Hygrometry. | | | Rain. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean. | Maximum. | Range. | Minimum. | | Vapour tension. | Dew point. | Humidity. | |
| 1889. | | ° | ° | ° | ° | ° | Inches. | ° | % | Inches. |
| January ... | 20th ... | 73·1 | 83·9 | 20·5 | 63·4 | 63·4 | ·455 | 56·3 | 56 | |
| ,, ... | 21st ... | 67·6 | 79·1 | 23·7 | 55·4 | 58·8 | ·381 | 51·4 | 57 | |
| ,, ... | 22nd ... | 66·3 | 79·4 | 26·1 | 53·3 | 57·0 | ·344 | 48·6 | 53 | |
| ,, ... | 23rd ... | 66·5 | 80·3 | 25·4 | 54·9 | 61·5 | ·481 | 57·9 | 74 | |
| ,, ... | 24th ... | 68·6 | 78·9 | 19·8 | 59·1 | 64·5 | ·554 | 61·9 | 79 | 0·02 |
| ,, ... | 25th ... | 68·9 | 79·1 | 19·2 | 59·9 | 63·0 | ·498 | 58·9 | 70 | |
| ,, ... | 26th ... | 68·6 | 80·4 | 22·7 | 57·7 | 60·7 | ·427 | 54·5 | 61 | |

| | |
|---|---|
| | ° |
| The mean temperature of the seven days ... ... ... | 68·5 |
| The extreme variation of temperature ... ... ... | 30·6 |
| The maximum temperature ... ... ... ... | 83·9 |
| | % |
| The mean relative humidity ... ... ... ... | 64 |
| | Inches. |
| The total fall of rain from 20th to 26th January 1889 ... ... | 0·02 |

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
*The 28th January* 1889.

A. PEDLER,
*For Offg. Meteorological Reporter to the Govt. of India.*

## MEMORANDUM.

THE mortuary statistics of the districts in Bengal for the month of November 1888 present the following results :—

1. The deaths of 140,186 persons were registered among a population of 66,055,695, representing an annual death-rate of 25·44 per 1,000, against 27·12 per 1,000 in the preceding month, and 26·76 per 1,000 in the corresponding month of 1887, indicating, as compared with both the past periods, a large decrease in mortality.

2. The following districts returned the highest proportions of deaths :—

| *Districts.* | Ratio per *mille.* | *Districts.* | Ratio per *mille.* |
|---|---|---|---|
| Maldah ... ... ... | 70·32 | Rungpore ... ... | 31·56 |
| Shahabad ... ... ... | 39·48 | Hazaribagh ... ... | 30·36 |
| Julpaiguri ... ... ... | 35·64 | Serampore ... ... | 29·76 |
| Murshedabad ... ... | 33·48 | Noakhali ... ... ... | 29·04 |
| Gya ... ... ... | 33·48 | Nuddea ... ... ... | 28·92 |
| Purneah ... ... ... | 33·36 | Darjiling ... ... ... | 28·32 |
| Jessore ... ... ... | 33·24 | Backerganj ... ... | 27·96 |
| Dinajpur ... ... ... | 33·12 | Hughli ... ... ... | 27·84 |
| Khulna ... ... ... | 32·76 | Pubna ... ... ... | 27·84 |
| 24-Pergunnahs ... ... | 32·52 | Rajshahye ... ... | 26·64 |
| Monghyr ... ... ... | 32·04 | Tipperah ... ... ... | 26·52 |
| Bhagulpore ... ... | 32·04 | Bogra ... ... ... | 25·44 |

3. The mortality from the principal diseases under record stood, during the month under review, contrasted with similar information for the corresponding month of the preceding year, as follows :—

| | Ratio per *mille* during— | |
|---|---|---|
| | November 1888. | November 1887. |
| Cholera ... ... ... ... ... | 1·32 | ·48 |
| Small-pox ... ... ... ... ... | ·03 | ·02 |
| Fever ... ... ... ... ... | 19·56 | 21·48 |
| Bowel-complaints ... ... ... ... | ·60 | ·72 |
| Injury ... ... ... ... ... | ·01 | ·12 |
| Other causes ... ... ... ... ... | 3·48 | 3·60 |

The only noticeable fact disclosed by the above comparison is that the death-rate from fever was considerably lower in November 1888 than in November 1887.

4. The undermentioned districts suffered pre-eminently from cholera, fever and the maladies classed under the head of "Other causes." The other diseases (indicated in the above table) exhibit no noticeable fluctuation :—

*Cholera.*

| | Ratio per *mille.* |
|---|---|
| Maldah ... ... | 27·48 |
| Monghyr ... ... | 9·84 |
| Suburbs of Calcutta ... | 5·88 |
| Serampore ... ... | 4·56 |
| Murshedabad ... ... | 3·96 |
| Jessore ... ... | 3·84 |
| Howrah ... ... | 3·12 |
| Nuddea ... ... | 3·12 |
| Hughli ... ... | 2·52 |

*Fever.*

| | Ratio per *mille.* |
|---|---|
| Maldah ... ... | 41·04 |
| Shahabad ... ... | 33·24 |
| Julpaiguri ... ... | 32·76 |
| Dinajpur ... ... | 31·08 |
| Purneah ... ... | 30·48 |
| Rungpore ... ... | 29·52 |
| Gya ... ... | 29·28 |
| Jessore ... ... | 27·36 |
| Murshedabad ... | 27·00 |
| Hazaribagh ... ... | 26·64 |
| Khulna ... ... | 26·04 |
| Bhagulpore ... ... | 26·04 |
| Monghyr ... ... | 25·44 |
| Noakhali ... ... | 24·12 |
| Pubna ... ... | 23·88 |
| Rajshahye ... ... | 22·80 |
| Nuddea ... ... | 22·56 |
| Darjiling ... ... | 21·62 |
| Bogra ... ... | 20·28 |
| 24-Pergunnahs ... | 20·16 |

*Other causes.*

| | Ratio per *mille.* |
|---|---|
| Puri ... ... | 10·56 |
| Backerganj ... ... | 9·36 |
| Tipperah ... ... | 8·16 |

5. In relation to *Sex*, *Class* and *Age*, the death-rates during the month under notice stood as follows :—

*According to Sex.*

| | Ratio per *mille.* |
|---|---|
| Males ... ... | 27·00 |
| Females ... ... | 23·88 |
| Ratio of male deaths to every 100 female deaths | 111 |

*According to Class.*

| | Ratio per *mille.* |
|---|---|
| Christians ... ... | 15·48 |
| Hindus ... ... | 24·84 |
| Mahomedans ... ... | 27·12 |
| Buddhists ... ... | 15·84 |
| Other classes ... | 18·60 |

*According to Age.*

| | Ratio per *mille.* |
|---|---|
| Under 1 year ... | 172·32 |
| 1 and under 5 years ... | 28·68 |
| 5 „ 10 „ ... | 14·40 |
| 10 „ 15 „ ... | 11·88 |
| 15 „ 20 „ ... | 15·96 |
| 20 „ 30 „ ... | 15·96 |
| 30 „ 40 „ ... | 17·52 |
| 40 „ 50 „ ... | 23·88 |
| 50 „ 60 „ ... | 35·04 |
| 60 years and upwards ... | 64·68 |

*The 25th January* 1889.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
*Offg. Sanitary Commissioner for Bengal.*

## *Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of November* 1888.

| 1 | 2 | 3 | | | 4 | | | | | | | 5 | | | | | | | 6 | | 7 | | 8 | | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DIVISIONS. | DISTRICTS. | POPULATION. | | | MORTALITY ACCORDING TO— Disease. DEATHS FROM— | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | COMPARISON WITH PREVIOUS PERIODS. | | Sex. DEATHS AMONG— | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | |
| | | Males. | Females. | Total. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Ratio of deaths per 1,000 of population per annum in the previous month. | Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year. | Males. | Females. | Males. | Females. | Ratio of male deaths to every 100 female deaths. |
| BURDWAN ... | Burdwan ... ... ... ... | 668,295 | 723,528 | 1,391,823 | 39 | 6 | 1,814 | 48 | 17 | 371 | 2,295 | ·24 | ·04 | 15·60 | ·36 | ·12 | 3·12 | 19·68 | 21·00 | 24·48 | 1,239 | 1,056 | 32·20 | 17·49 | 117 |
| | Bankura ... ... ... ... | 507,136 | 534,616 | 1,041,752 | 39 | 3 | 1,085 | 33 | 12 | 260 | 1,432 | ·38 | ·02 | 12·48 | ·35 | ·12 | 2·88 | 16·44 | 17·88 | 18·84 | 761 | 671 | 18·90 | 15·00 | 113 |
| | Birbhum ... ... ... ... | 381,363 | 412,865 | 794,428 | 36 | ..... | 1,222 | 15 | 10 | 354 | 1,637 | ·48 | ..... | 18·36 | ·12 | ·12 | 5·28 | 24·72 | 24·96 | 36·12 | 820 | 817 | 25·68 | 23·64 | 100 |
| | Midnapore ... ... ... ... | 1,243,194 | 1,272,370 | 2,515,565 | 171 | 1 | 3,632 | 225 | 47 | 685 | 4,781 | ·72 | ·003 | 17·40 | ·96 | ·12 | 3·24 | 22·80 | 25·44 | 26·28 | 2,438 | 2,353 | 23·40 | 22·08 | 103 |
| | Hughli ... ... ... ... | 315,665 | 347,885 | 663,050 | 143 | ..... | 1,074 | 119 | 23 | 180 | 1,539 | 2·52 | ..... | 19·32 | 2·04 | ·36 | 3·24 | 27·84 | 24·48 | 28·08 | 803 | 737 | 30·48 | 25·44 | 108 |
| | Serampore ... ... ... ... | 174,366 | 177,589 | 351,955 | 137 | ..... | 481 | 113 | 11 | 132 | 874 | 4·56 | ..... | 16·32 | 3·84 | ·36 | 4·44 | 29·76 | 25·20 | 23·64 | 479 | 395 | 32·88 | 26·64 | 121 |
| | Total (Hughli including Serampore) | 490,031 | 524,974 | 1,015,005 | 280 | ..... | 1,555 | 232 | 34 | 312 | 2,413 | 3·24 | ..... | 18·36 | 2·64 | ·36 | 3·60 | 23·44 | 24·72 | 26·52 | 1,281 | 1,131 | 31·32 | 25·80 | 113 |
| PRESIDENCY ... | Howrah ... ... ... ... | 316,479 | 318,902 | 635,381 | 167 | 2 | 606 | 240 | 32 | 230 | 1,277 | 3·12 | ·03 | 11·40 | 4·44 | ·60 | 4·32 | 24·00 | 27·24 | 28·32 | 720 | 557 | 27·24 | 21·00 | 129 |
| | 24-Pergunnahs ... ... ... | 975,430 | 891,429 | 1,866,859 | 918 | ..... | 3,143 | 378 | 59 | 588 | 5,086 | 5·88 | ..... | 20·16 | 2·40 | ·36 | 3·72 | 32·52 | 28·20 | 32·88 | 2,811 | 2,275 | 31·56 | 29·48 | 123 |
| | Nuddea ... ... ... ... | 805,779 | 849,942 | 1,655,721 | 445 | 3 | 3,115 | 15 | 39 | 377 | 3,994 | 3·12 | ·01 | 22·56 | ·10 | ·24 | 2·64 | 28·92 | 25·32 | 44·88 | 2,051 | 1,943 | 30·48 | 27·36 | 105 |
| | Jessore ... ... ... ... | 959,271 | 980,104 | 1,939,375 | 627 | ..... | 4,439 | 22 | 33 | 262 | 5,374 | 3·84 | ..... | 27·36 | ·12 | ·12 | 1·56 | 33·24 | 24·12 | 29·04 | 2,855 | 2,549 | 35·25 | 31·20 | 111 |
| | Murshidabad ... ... ... ... | 585,483 | 640,307 | 1,225,790 | 413 | ..... | 2,765 | 21 | 12 | 214 | 3,425 | 3·96 | ..... | 27·09 | ·12 | ·10 | 2·04 | 33·48 | 28·20 | 46·44 | 1,726 | 1,699 | 35·28 | 31·80 | 101 |
| | Khulna ... ... ... ... | 568,402 | 511,546 | 1,079,948 | 169 | ..... | 2,351 | 21 | 26 | 389 | 2,956 | 1·80 | ..... | 26·04 | ·12 | ·24 | 4·32 | 32·76 | 27·84 | 32·28 | 1,472 | 1,484 | 30·95 | 34·80 | 99 |
| | Dinajpur ... ... ... ... | 782,292 | 792,054 | 1,574,346 | 81 | ..... | 3,932 | 12 | 20 | 147 | 4,192 | ·60 | ..... | 31·08 | ·08 | ·12 | 1·08 | 33·12 | 31·08 | 40·08 | 2,209 | 1,982 | 31·72 | 32·64 | 111 |
| | Rajshahye ... ... ... ... | 660,226 | 678,412 | 1,338,638 | 224 | ..... | 2,555 | 10 | 34 | 157 | 2,980 | 1·92 | ..... | 22·80 | ·08 | ·24 | 1·32 | 26·64 | 26·04 | 45·08 | 1,595 | 1,385 | 28·92 | 24·48 | 115 |
| RAJSHAHYE ... | Rungpore ... ... ... ... | 1,067,701 | 1,039,263 | 2,097,964 | 45 | ..... | 5,162 | 11 | 50 | 286 | 5,554 | ·24 | ..... | 29·52 | ·06 | ·12 | 1·56 | 31·56 | 24·12 | 38·16 | 2,943 | 2,591 | 34·00 | 30·12 | 113 |
| | Bogra ... ... ... ... | 372,677 | 361,681 | 734,358 | 107 | ..... | 1,247 | 7 | 1a | 186 | 1,537 | 1·68 | ..... | 20·28 | ·10 | ·12 | 3·00 | 25·44 | 24·96 | 34·20 | 859 | 718 | 27·90 | 21·74 | 116 |
| | Pubna ... ... ... ... | 648,311 | 663,417 | 1,311,728 | 216 | ..... | 2,630 | 24 | 9 | 181 | 3,060 | 1·92 | ..... | 23·88 | ·12 | ·07 | 1·56 | 27·84 | 23·16 | 30·34 | 1,893 | 1,352 | 31·32 | 24·36 | 125 |
| | Darjiling ... ... ... ... | 89,308 | 66,739 | 156,137 | ..... | ..... | 284 | 33 | 2 | 51 | 370 | ..... | ..... | 21·62 | 2·52 | ·12 | 3·84 | 28·32 | 30·12 | 21·01 | 216 | 154 | 28·92 | 27·00 | 140 |
| | Jalpaiguri ... ... ... ... | 305,555 | 276,007 | 581,562 | 15 | 1 | 1,592 | 3 | 3 | 115 | 1,729 | ·24 | ·01 | 32·76 | ·06 | ·06 | 2·28 | 35·04 | 38·52 | 36·36 | 978 | 741 | 38·40 | 32·64 | 130 |
| DACCA ... ... | Dacca ... ... ... ... | 1,033,863 | 1,082,487 | 2,116,350 | 151 | 1 | 2,567 | 179 | 22 | 893 | 3,813 | ·84 | ·004 | 14·52 | ·96 | ·12 | 2·76 | 20·16 | 19·32 | 13·08 | 1,509 | 1,245 | 22·20 | 18·12 | 122 |
| | Faridpore ... ... ... ... | 895,989 | 835,745 | 1,731,734 | 81 | 3 | 2,217 | 37 | 28 | 384 | 2,748 | ·48 | ·01 | 16·20 | ·24 | ·24 | 9·36 | 27·96 | 25·32 | 33·72 | 2,211 | 2,230 | 27·24 | 28·80 | 99 |
| | Backergunj ... ... ... ... | 973,479 | 927,410 | 1,900,889 | 91 | 20 | 2,722 | 51 | 56 | 1,501 | 4,441 | ·48 | ·12 | 17·16 | ·24 | ·24 | 2·64 | 19·56 | 18·60 | 18·36 | 2,623 | 2,332 | 29·16 | 18·96 | 140 |
| | Mymensing ... ... ... ... | 1,553,397 | 1,498,569 | 3,051,966 | 28 | 44 | 4,116 | 163 | 40 | 674 | 5,005 | ·10 | ·12 | 16·08 | ·36 | ·12 | 2·64 | 19·56 | 18·60 | 17·16 | 905 | 953 | 20·40 | 18·60 | 96 |
| CHITTAGONG ... | Chittagong ... ... ... ... | 531,649 | 600,692 | 1,132,341 | 26 | ..... | 1,497 | 91 | 57 | 189 | 1,838 | ·12 | ..... | 15·84 | ·96 | ·60 | 1·80 | 19·44 | 20·40 | 17·16 | 965 | 953 | 20·40 | 18·60 | 96 |
| | Noakhali ... ... ... ... | 415,248 | 405,524 | 820,772 | 8 | ..... | 1,653 | 30 | 29 | 267 | 1,987 | ·10 | ..... | 24·12 | ·36 | ·36 | 3·84 | 29·04 | 25·56 | 23·28 | 970 | 1,017 | 27·96 | 30·00 | 93 |
| | Tipperah ... ... ... ... | 770,893 | 748,445 | 1,519,338 | 26 | 12 | 2,765 | 75 | 38 | 1,047 | 3,963 | ·12 | ·08 | 17·04 | ·48 | ·24 | 3·84 | 22·56 | 23·60 | 21·72 | 1,687 | 1,616 | 23·52 | 21·48 | 104 |
| PATNA ... ... | Patna ... ... ... ... | 888,783 | 868,073 | 1,756,856 | 123 | 7 | 2,390 | 158 | 48 | 677 | 3,303 | ·84 | ·03 | 16·32 | ·96 | ·02 | 3·12 | 33·48 | 35·32 | 26·04 | 3,002 | 2,943 | 34·44 | 32·64 | 101 |
| | Gya ... ... ... ... | 1,013,441 | 1,081,241 | 2,124,682 | 51 | 18 | 5,191 | 70 | 54 | 561 | 5,945 | ·24 | ·09 | 29·28 | ·36 | ·24 | 4·80 | 39·48 | 37·96 | 27·72 | 3,158 | 3,307 | 39·84 | 39·00 | 95 |
| | Shahabad ... ... ... ... | 950,256 | 1,014,659 | 1,964,909 | 82 | 2 | 5,451 | 78 | 55 | 797 | 6,465 | ·48 | ·12 | 33·24 | ·36 | ·24 | 1·92 | 16·20 | 24·84 | 11·64 | 1,968 | 1,532 | 18·61 | 13·91 | 128 |
| | Monufferpore ... ... ... ... | 1,265,731 | 1,316,329 | 2,582,060 | 81 | 2 | 2,828 | 119 | 43 | 436 | 3,509 | ·36 | ·008 | 13·08 | ·48 | ·12 | ·09 | ·84 | 13·92 | 16·80 | 15·96 | 1,854 | 1,417 | 15·24 | 12·67 | 116 |
| | Durbhanga ... ... ... ... | 1,296,788 | 1,307,659 | 2,603,447 | 66 | ..... | 2,683 | 98 | 22 | 202 | 3,071 | ·24 | ..... | 12·12 | ·36 | ·36 | 7·08 | 16·08 | 22·92 | 17·85 | 1,691 | 1,353 | 18·12 | 13·80 | 121 |
| | Sarun ... ... ... ... | 1,083,565 | 1,196,832 | 2,280,382 | 5 | 16 | 1,449 | 205 | 69 | 1,341 | 3,077 | ·02 | ·08 | 7·36 | ·96 | ·12 | 3·96 | 23·76 | 24·12 | 20·88 | 1,893 | 1,525 | 25·04 | 21·48 | 127 |
| | Chuprarum ... ... ... ... | 870,627 | 856,981 | 1,721,608 | 48 | 21 | 2,763 | 14 | 29 | 573 | 3,418 | ·12 | ·12 | 19·20 | ·09 | ·12 | 4·44 | 32·04 | 40·56 | 40·03 | 2,841 | 2,412 | 35·16 | 29·16 | 116 |
| | Monghyr ... ... ... ... | 969,124 | 1,000,650 | 1,969,774 | 259 | 2 | 4,194 | 40 | 48 | 739 | 5,273 | 9·84 | ·01 | 25·44 | ·24 | ·12 | 3·36 | 31·04 | 30·56 | 33·90 | 2,784 | 2,481 | 34·03 | 30·24 | 114 |
| MALDAH ... ... | Bhaugulpore ... ... ... ... | 979,119 | 987,039 | 1,966,158 | 320 | ..... | 4,271 | 68 | 37 | 569 | 5,265 | 1·92 | ..... | 20·64 | ·36 | ·04 | ·24 | 33·24 | 26·88 | 32·64 | 2,697 | 2,455 | 34·44 | 33·28 | 109 |
| | Purneah ... ... ... ... | 937,089 | 911,607 | 1,848,687 | 313 | 4 | 4,707 | 7 | 8 | 113 | 5,152 | 1·92 | ·02 | 30·48 | ·03 | ·04 | ·24 | 33·24 | 26·88 | 32·64 | 2,697 | 2,276 | 34·44 | 33·28 | 109 |
| | Maldah ... ... ... ... | 346,998 | 363,450 | 710,448 | 1,029 | ..... | 2,431 | 9 | 9 | 88 | 4,166 | 27·48 | ..... | 41·04 | ·12 | ·12 | 1·44 | 70·32 | 40·08 | 53·64 | 2,276 | 1,899 | 78·72 | 62·40 | 129 |
| | Sonthal Pergunnahs ... ... ... | 785,350 | 782,763 | 1,568,093 | 147 | 3 | 1,047 | 239 | 45 | 660 | 2,095 | ·48 | ·01 | 6·96 | 1·44 | ·24 | 4·32 | 13·80 | 18·24 | 19·56 | 1,132 | 933 | 15·36 | 12·12 | 114 |
| ORISSA ... ... | Cuttack ... ... ... ... | 877,702 | 917,363 | 1,795,065 | 50 | 22 | 221 | 156 | 37 | 789 | 1,233 | ·12 | ·24 | 2·88 | 2·04 | ·84 | 10·56 | 16·68 | 18·24 | 29·40 | 851 | 590 | 17·40 | 15·96 | 110 |
| | Puri ... ... ... ... | 446,809 | 441,878 | 888,687 | 11 | | 680 | 308 | 21 | 373 | 1,409 | ·12 | ·07 | 8·52 | 3·84 | ·24 | 4·68 | 17·76 | 23·20 | 23·16 | 719 | 690 | 18·36 | 17·04 | 102 |
| | Balasore ... ... ... ... | 461,461 | 483,819 | 945,280 | 13 | 6 | 2,462 | 50 | 26 | 244 | 2,800 | ·10 | ·07 | 26·64 | ·48 | ·24 | 2·64 | 20·36 | 20·60 | 29·28 | 1,356 | 1,444 | 20·48 | 23·24 | 98 |
| CHOTA NAGPORE ... | Hazaribagh ... ... ... ... | 544,963 | 559,779 | 1,104,742 | 11 | 7 | 2,323 | 155 | 23 | 518 | 3,017 | ..... | ..... | 17·28 | 1·08 | ·12 | 3·84 | 22·44 | 37·92 | 21·24 | 1,392 | 1,425 | 23·88 | 21·00 | 111 |
| | Lohardugga ... ... ... ... | 790,052 | 812,587 | 1,602,544 | ..... | ..... | 540 | 45 | 33 | 142 | 760 | ·48 | ..... | 14·40 | 1·08 | ·24 | 2·88 | 19·44 | 23·16 | 16·92 | 388 | 331 | 20·52 | 18·48 | 110 |
| | Singbhum ... ... ... ... | 220,881 | 227,094 | 453,775 | 20 | ..... | 946 | 56 | 11 | 172 | 1,223 | ·36 | ·08 | 10·68 | ·60 | ·12 | 1·92 | 13·80 | 13·84 | 15·12 | 653 | 540 | 13·92 | 12·12 | 120 |
| | Manbhum ... ... ... ... | 228,228 | 232,990 | 1,058,228 | 32 | 6 | | | | | | | | | | | | | | | | | | | |

| DIVISIONS. | DISTRICTS. | Class. Deaths among— Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Class. Ratio per 1,000 of population per annum. Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Age. Deaths. Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. | Age. Ratio per 1,000 of population per annum. Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BURDWAN | Burdwan | 1 | 1,872 | 422 | ..... | ..... | 13·08 | 20·04 | 19·08 | ..... | ..... | 361 | 210 | 154 | 93 | 138 | 316 | 284 | 239 | 194 | 332 | 137·52 | 19·20 | 11·04 | 8·28 | 13·44 | 14·52 | 14·16 | 18·72 | 24·00 | 50·04 |
| | Bankura | ..... | 1,274 | 67 | ..... | 91 | ..... | 16·68 | 17·28 | ..... | 12·84 | 247 | 133 | 97 | 72 | 83 | 189 | 165 | 138 | 110 | 207 | 107·76 | 13·08 | 7·68 | 7·92 | 10·44 | 12·00 | 13·44 | 21·88 | 12·12 | 44·52 |
| | Birbhum | ..... | 1,341 | 268 | ..... | 28 | ..... | 28·04 | 19·68 | ..... | 23·16 | 344 | 225 | 156 | 79 | 90 | 166 | 146 | 133 | 109 | 204 | 247·32 | 33·72 | 18·60 | 11·64 | 16·08 | 14·04 | 14·16 | 18·36 | 20·64 | 52·32 |
| | Midnapore | ..... | 4,271 | 285 | ..... | 225 | ..... | 22·92 | 20·76 | ..... | 12·92 | 844 | 464 | 317 | 184 | 230 | 443 | 540 | 484 | 423 | 807 | 161·88 | 20·28 | 10·92 | 8·88 | 12·00 | 13·24 | 17·64 | 24·72 | 35·64 | 70·68 |
| | Hughli | ..... | 1,201 | 338 | ..... | ..... | ..... | 27·00 | 31·20 | ..... | ..... | 234 | 139 | 98 | 77 | 85 | 195 | 174 | 165 | 138 | 214 | 165·48 | 32·28 | 17·16 | 14·88 | 17·04 | 18·00 | 19·44 | 26·16 | 34·56 | 69·48 |
| | Serampore | 1 | 752 | 121 | ..... | ..... | 32·88 | 30·84 | 24·48 | ..... | ..... | 138 | 108 | 56 | 34 | 57 | 116 | 109 | 96 | 60 | 109 | 165·24 | 40·68 | 19·80 | 13·32 | 21·72 | 19·68 | 20·64 | 28·08 | 28·44 | 67·20 |
| | Total (Hughli, including Serampore) | 1 | 1,953 | 459 | ..... | ..... | 18·24 | 28·32 | 29·16 | ..... | ..... | 372 | 247 | 154 | 111 | 142 | 311 | 274 | 261 | 198 | 323 | 165·48 | 35·16 | 18·00 | 14·40 | 18·60 | 18·60 | 19·92 | 26·88 | 32·40 | 68·64 |
| | Howrah | ..... | 1,645 | 232 | ..... | ..... | ..... | 24·96 | 21·00 | ..... | ..... | 197 | 163 | 106 | 60 | 70 | 145 | 126 | 110 | 68 | 227 | 126·84 | 29·64 | 16·20 | 11·64 | 14·04 | 14·28 | 16·08 | 21·60 | 21·72 | 70·20 |
| PRESIDENCY | 24-Pergunnahs | 38 | 8,070 | 1,078 | ..... | ..... | 32·52 | 31·92 | 33·84 | ..... | ..... | 619 | 639 | 431 | 237 | 351 | 755 | 593 | 442 | 379 | 630 | 153·84 | 38·76 | 21·36 | 16·32 | 17·84 | 20·08 | 24·84 | 28·56 | 41·04 | 65·60 |
| | Nuddea | 22 | 1,547 | 2,375 | ..... | ..... | 41·04 | 26·28 | 30·84 | ..... | ..... | 650 | 608 | 531 | 266 | 219 | 334 | 306 | 303 | 277 | 500 | 204·60 | 33·88 | 25·08 | 18·36 | 21·60 | 15·24 | 16·08 | 21·84 | 30·96 | 57·36 |
| | Jessore | 1 | 2,227 | 3,146 | ..... | ..... | 24·36 | 34·68 | 32·16 | ..... | ..... | 589 | 572 | 725 | 369 | 342 | 599 | 506 | 495 | 343 | 633 | 135·12 | 45·60 | 30·00 | 23·56 | 27·72 | 22·08 | 22·92 | 25·20 | 32·76 | 64·20 |
| | Murshidabad | ..... | 1,611 | 1,814 | ..... | ..... | ..... | 30·36 | 36·84 | ..... | ..... | 418 | 558 | 426 | 231 | 184 | 343 | 303 | 318 | 249 | 395 | 180·00 | 47·28 | 25·44 | 22·68 | 23·52 | 20·16 | 20·76 | 30·72 | 38·76 | 60·96 |
| | Khulna | 2 | 1,323 | 1,631 | ..... | ..... | 32·04 | 30·24 | 35·16 | ..... | ..... | 462 | 432 | 247 | 108 | 172 | 380 | 306 | 248 | 168 | 433 | 184·44 | 40·56 | 19·44 | 11·88 | 21·48 | 23·88 | 24·72 | 29·40 | 38·52 | 83·14 |
| | Jessore | ..... | 1,851 | 2,337 | ..... | 3 | ..... | 39·96 | 35·16 | ..... | ..... | 613 | 741 | 378 | 212 | 229 | 572 | 519 | 364 | 234 | 326 | 210·00 | 51·12 | 17·88 | 16·92 | 21·72 | 26·64 | 27·00 | 29·64 | 38·16 | 53·35 |
| | Rungpore | ..... | 683 | 2,297 | ..... | ..... | ..... | 28·32 | 26·16 | ..... | 24·72 | 325 | 444 | 403 | 182 | 183 | 391 | 348 | 260 | 175 | 269 | 124·32 | 32·76 | 22·44 | 16·32 | 21·00 | 20·28 | 21·60 | 24·36 | 29·40 | 45·84 |
| | Bogra | ..... | 1,988 | 3,544 | ..... | ..... | ..... | 29·16 | 33·12 | ..... | ..... | 788 | 802 | 554 | 285 | 301 | 627 | 672 | 531 | 404 | 490 | 183·00 | 39·60 | 20·88 | 16·92 | 23·28 | 22·32 | 25·08 | 30·96 | 38·76 | 52·20 |
| | Pubna | ..... | 293 | 1,264 | ..... | 2 | ..... | 24·96 | 25·56 | ..... | 14·28 | 231 | 200 | 138 | 81 | 94 | 202 | 189 | 158 | 80 | 164 | 194·44 | 24·84 | 13·56 | 13·32 | 18·84 | 19·44 | 20·52 | 28·92 | 29·16 | 53·16 |
| | Darjiling | ..... | 787 | 2,293 | ..... | ..... | ..... | 26·04 | 28·38 | ..... | ..... | 363 | 471 | 504 | 266 | 176 | 317 | 221 | 216 | 131 | 331 | 125·64 | 31·44 | 28·68 | 25·32 | 22·32 | 18·72 | 19·32 | 29·64 | 29·16 | 53·16 |
| | Jalpaiguri | ..... | 324 | 33 | 11 | 2 | ..... | 39·60 | 48·24 | 6·96 | 37·44 | 69 | 91 | 24 | 24 | 23 | 50 | 59 | 31 | 20 | 27 | 264·96 | 31·08 | 15·36 | 18·36 | 20·88 | 17·16 | 27·60 | 27·24 | 43·12 | 46·68 |
| DACCA | Dacca | ..... | 1,066 | 629 | ..... | 24 | ..... | 32·76 | 40·20 | ..... | 53·72 | 467 | 251 | 101 | 67 | 74 | 171 | 163 | 149 | 132 | 154 | 347·28 | 43·56 | 13·68 | 13·20 | 31·24 | 21·24 | 23·04 | 29·64 | 21·48 | 44·28 |
| | Faridpore | 11 | 1,529 | 2,273 | ..... | ..... | 15·00 | 21·36 | 21·72 | ..... | ..... | 809 | 316 | 288 | 153 | 191 | 354 | 325 | 300 | 225 | 652 | 165·00 | 21·24 | 10·52 | 8·04 | 14·16 | 13·72 | 13·92 | 19·20 | 24·00 | 58·92 |
| | Backerganj | 7 | 1,097 | 1,644 | ..... | ..... | 30·60 | 29·76 | 20·16 | ..... | ..... | 526 | 362 | 198 | 109 | 137 | 259 | 245 | 223 | 204 | 435 | 135·76 | 19·68 | 9·84 | 11·64 | 13·56 | 11·52 | 13·08 | 17·16 | 24·84 | 53·16 |
| | Mymensing | 6 | 1,138 | 3,297 | ..... | ..... | 19·32 | 21·84 | 31·20 | ..... | ..... | 1,197 | 512 | 288 | 131 | 185 | 472 | 370 | 309 | 295 | 673 | 307·32 | 24·60 | 12·84 | 9·24 | 13·44 | 16·44 | 17·16 | 21·00 | 32·76 | 81·60 |
| CHITTAGONG | Chittagong | ..... | 1,747 | 3,136 | ..... | ..... | ..... | 21·12 | 18·60 | ..... | 42·48 | 766 | 541 | 333 | 234 | 364 | 676 | 581 | 420 | 349 | 741 | 123·48 | 15·84 | 7·92 | 9·12 | 17·52 | 15·84 | 16·68 | 19·08 | 25·68 | 51·08 |
| | Noakhali | 1 | 438 | 1,384 | 93 | 92 | ..... | 19·08 | 19·44 | 21·00 | ..... | 232 | 317 | 114 | 57 | 92 | 229 | 188 | 198 | 180 | 331 | 84·24 | 17·64 | 7·20 | 4·92 | 11·40 | 16·32 | 16·32 | 24·24 | 32·04 | 64·44 |
| | Tipperah | 2 | 308 | 1,587 | ..... | ..... | 11·28 | 40·80 | 23·56 | 31·20 | ..... | 495 | 330 | 162 | 75 | 76 | 174 | 150 | 119 | 117 | 289 | 255·12 | 35·28 | 14·64 | 10·08 | 13·08 | 15·96 | 17·04 | 24·24 | 29·40 | 89·76 |
| PATNA | Patna | ..... | 1,150 | 2,213 | ..... | ..... | ..... | 27·00 | 26·28 | ..... | ..... | 897 | 339 | 168 | 126 | 214 | 358 | 331 | 255 | 192 | 562 | 272·28 | 20·04 | 8·52 | 9·12 | 20·16 | 17·16 | 19·68 | 22·92 | 27·84 | 85·20 |
| | Gya | ..... | 2,969 | 534 | ..... | ..... | ..... | 13·04 | 18·72 | ..... | ..... | 570 | 376 | 163 | 102 | 88 | 288 | 300 | 261 | 416 | 634 | 165·12 | 21·12 | 8·40 | 7·20 | 9·24 | 11·76 | 14·28 | 22·92 | 39·72 | 58·92 |
| | Shahabad | ..... | 5,574 | 571 | ..... | ..... | ..... | 33·96 | 29·40 | ..... | ..... | 958 | 843 | 379 | 249 | 166 | 499 | 459 | 612 | 691 | 1,092 | 268·80 | 36·36 | 15·48 | 14·16 | 14·28 | 16·92 | 17·40 | 32·40 | 58·08 | 103·44 |
| | Monuffespore | ..... | 6,465 | 410 | ..... | ..... | ..... | 39·96 | 34·48 | ..... | ..... | 1,139 | 833 | 381 | 169 | 116 | 524 | 553 | 654 | 693 | 1,383 | 309·84 | 40·80 | 14·68 | 9·96 | 10·92 | 18·00 | 22·08 | 39·72 | 69·36 | 130·80 |
| | Durbhanga | ..... | 3,148 | 352 | ..... | ..... | ..... | 16·56 | 13·32 | ..... | ..... | 262 | 428 | 258 | 167 | 153 | 410 | 409 | 427 | 404 | 602 | 70·08 | 15·72 | 7·68 | 7·08 | 9·48 | 11·88 | 13·72 | 18·84 | 25·68 | 48·89 |
| | Sarun | ..... | 2,801 | 270 | ..... | ..... | ..... | 14·40 | 10·32 | ..... | ..... | 258 | 380 | 222 | 161 | 163 | 332 | 397 | 372 | 380 | 466 | 61·44 | 14·04 | 6·60 | 7·56 | 9·84 | 9·24 | 11·76 | 15·84 | 26·64 | 39·60 |
| | Champarun | ..... | 2,747 | 340 | ..... | ..... | ..... | 16·32 | 14·64 | ..... | ..... | 353 | 370 | 147 | 94 | 96 | 259 | 301 | 317 | 361 | 779 | 79·20 | 15·84 | 5·28 | 4·68 | 7·80 | 8·52 | 10·20 | 15·84 | 30·84 | 67·92 |
| BHAGULPORE | Monghyr | 4 | 2,960 | 445 | ..... | ..... | ..... | 24·12 | 21·96 | ..... | 9·96 | 1,134 | 918 | 327 | 240 | 138 | 372 | 388 | 470 | 482 | 810 | 369·12 | 43·44 | 13·08 | 14·04 | 11·88 | 14·28 | 15·96 | 27·60 | 47·52 | 85·92 |
| | Bhagulpore | 1 | 4,836 | 439 | ..... | ..... | 24·72 | 32·64 | 27·48 | ..... | ..... | 815 | 694 | 458 | 279 | 284 | 594 | 594 | 547 | 437 | 563 | 265·32 | 36·72 | 17·64 | 15·84 | 24·00 | 21·24 | 23·40 | 34·44 | 48·36 | 70·56 |
| | Purneah | ..... | 4,940 | 525 | ..... | 6 | 10·92 | 33·48 | 21·00 | ..... | ..... | 565 | 940 | 474 | 343 | 246 | 613 | 604 | 503 | 434 | 430 | 179·28 | 52·80 | 19·92 | 21·60 | 21·48 | 23·52 | 24·72 | 33·04 | 51·84 | 85·44 |
| | Maldah | 1 | 3,205 | 1,946 | ..... | ..... | 36·60 | 35·64 | 39·24 | ..... | ..... | 807 | 1,154 | 615 | 327 | 232 | 505 | 417 | 347 | 296 | 414 | 167·88 | 115·80 | 72·96 | 49·08 | 50·52 | 51·96 | 48·48 | 69·24 | 65·40 | 115·20 |
| | Sonthal Pergunnahs | ..... | 2,388 | 1,774 | ..... | ..... | ..... | 13·48 | 21·00 | ..... | ..... | 507 | 240 | 84 | 55 | 78 | 177 | 172 | 170 | 197 | 395 | 162·00 | 12·12 | 3·72 | 3·36 | 6·84 | 6·96 | 8·52 | 12·72 | 20·64 | 42·00 |
| ORISSA | Cuttack | 2 | 1,083 | 152 | ..... | 4 | ..... | 75·48 | 64·56 | ..... | ..... | 565 | 940 | 474 | 343 | 246 | 613 | 604 | 503 | 434 | 430 | 179·28 | 52·80 | 19·92 | 21·60 | 21·48 | 23·52 | 24·72 | 33·04 | 51·84 | 85·44 |
| | Puri | 2 | 2,031 | 32 | ..... | 553 | ..... | 15·24 | 16·68 | ..... | 27·48 | 276 | 805 | 663 | 300 | 232 | 505 | 417 | 347 | 296 | 414 | 167·88 | 115·80 | 72·96 | 49·08 | 50·52 | 51·96 | 48·48 | 69·24 | 65·40 | 115·20 |
| | Balasore | ..... | 1,224 | 18 | ..... | ..... | 10·20 | 13·92 | 8·04 | ..... | 10·80 | 287 | 231 | 189 | 96 | 125 | 190 | 179 | 160 | 163 | 175 | 110·28 | 12·36 | 7·68 | 6·36 | 13·20 | 9·84 | 9·60 | 14·76 | 24·84 | 27·24 |
| CHOTA NAGPORE | Lohardugga | 1 | 1,384 | 13 | ..... | ..... | ..... | 15·60 | 15·36 | ..... | ..... | 507 | 240 | 84 | 55 | 78 | 177 | 172 | 170 | 197 | 395 | 162·00 | 12·12 | 3·72 | 3·36 | 6·84 | 6·96 | 8·52 | 12·72 | 20·64 | 42·00 |
| | Singbhum | 23 | 1,476 | 193 | ..... | 2 | 14·64 | 18·12 | 6·48 | ..... | ..... | 330 | 112 | 59 | 29 | 49 | 99 | 102 | 108 | 123 | 231 | 280·40 | 11·76 | 4·68 | 3·84 | 8·76 | 7·44 | 10·20 | 15·96 | 23·52 | 56·16 |
| | Manbhum | 2 | 732 | 4 | ..... | 154 | ..... | 31·20 | 27·60 | ..... | 4·92 | 335 | 100 | 72 | 43 | 66 | 117 | 136 | 129 | 119 | 238 | 195·72 | 16·68 | 6·12 | 4·92 | 9·84 | 8·52 | 12·36 | 15·48 | 25·92 | 57·60 |
| | | 1 | 1,082 | 49 | ..... | 1,329 | 9·24 | 29·28 | 29·88 | ..... | 25·20 | 501 | 422 | 259 | 112 | 63 | 177 | 214 | 223 | 258 | 501 | 173·04 | 37·44 | 16·56 | 11·40 | 9·96 | 11·76 | 16·24 | 28·08 | 55·92 | 138·24 |
| | | | | | | 1 | 7·92 | 19·32 | 20·52 | ..... | 18·48 | 90 | 154 | 64 | 37 | 31 | 47 | 72 | 83 | 79 | 91 | 123·60 | 29·88 | 10·32 | 8·52 | 9·72 | 7·56 | 15·48 | 25·48 | 37·32 | 56·04 |
| | TOTAL FOR THE PROVINCE... | 132 | 88,865 | 48,485 | 196 | 2,598 | 15·48 | 24·84 | 27·12 | 15·84 | 18·60 | 23,308 | 19,568 | 11,880 | 6,736 | 6,675 | 14,825 | 13,935 | 12,742 | 11,432 | 20,078 | 172·32 | 23·68 | 14·40 | 11·88 | 15·96 | 15·96 | 17·52 | 24·88 | 35·04 | 61·68 |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 25th January* 1889.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

*Offg. Sanitary Commissioner for Bengal.*

## MEMORANDUM.

THE table annexed to this memorandum shows—

1. That during the week ending 12th January 1889, births and deaths were registered in the principal Municipalities in Bengal at the rates respectively of 25·9 and 26·6 per 1,000 of population, against 25·4 and 28·9 per 1,000, respectively, during the preceding week ending 5th January, indicating a falling off in the registration of deaths.

2. That the following Municipalities furnished the highest proportions of births and deaths:—

| *Births.* | Ratio per *mille.* | *Deaths.* | Ratio per *mille.* |
|---|---|---|---|
| Bali ... ... ... | 52·6 | Serampore ... ... ... | 56·9 |
| Naraingani ... ... ... | 49·7 | Suburbs of Calcutta ... ... | 45·9 |
| Bhagulpore ... ... ... | 38·0 | Burdwan ... ... ... | 42·7 |
| Monghyr ... ... ... | 36·2 | Bali ... ... ... | 35·1 |
| Comillah ... ... ... | 34·6 | Howrah ... ... ... | 34·4 |
| Purneah ... ... ... | 34·6 | Puri ... ... ... | 31·6 |
| Rampore Beauleah ... ... | 34·2 | | |
| Serampore ... ... ... | 33·4 | | |
| Howrah ... ... ... | 33·2 | | |
| Gya ... ... ... | 30·7 | | |

3. That as compared with the results of the preceding week, there was a sensible diminution of mortality from fever and bowel-complaints, but no important differences in the death-rates from the other diseases, *vide* figures given below:—

| | Ratio per *mille* during the weeks ending— | |
|---|---|---|
| | 12th Jan. 1889. | 5th Jan. 1889. |
| Cholera ... ... ... ... ... | 2·8 | 2·7 |
| Small-pox ... ... ... ... ... | ·1 | ·2 |
| Fever ... ... ... ... ... | 10·2 | 11·3 |
| Bowel-complaints ... ... ... ... | 4·3 | 5·3 |
| Injury ... ... ... ... ... | ·6 | ·5 |
| Other causes ... ... ... ... | 8·6 | 8·9 |

4. That the mortality from small-pox and injury was nowhere high, and that the other diseases mentioned above caused the highest mortality in the following Municipalities:—

| *Cholera.* | Ratio per *mille.* | *Fever.* | Ratio per *mille.* | *Bowel-complaints.* | Ratio per *mille.* | *Other causes.* | Ratio per *mille.* |
|---|---|---|---|---|---|---|---|
| Serampore ... | 11·8 | Burdwan ... | 24·4 | Serampore ... | 11·8 | Puri ... | 21·0 |
| Howrah ... | 8·6 | Rampore Beauleah ... | 21·0 | Suburbs of Calcutta ... | 11·0 | Serampore ... | 17·7 |
| Suburbs of Calcutta ... | 6·8 | | | | | Monghyr ... | 12·7 |
| Dacca ... | 3·2 | | | | | Midnapore ... | 12·4 |
| | | | | | | Burdwan ... | 12·2 |
| | | | | | | Suburbs of Calcutta ... | 12·2 |
| | | | | | | Bhagulpore ... | 10·0 |

5. That the mortality of the week distributed under the heads of *Sex*, *Class* and *Age* stood as follows:—

*According to Sex.*

| | Ratio per *mille.* |
|---|---|
| Males ... ... | 27·2 |
| Females ... ... | 26·0 |
| Ratio of male deaths to every 100 female deaths ... ... | 118 |

*According to Class.*

| | Ratio per *mille.* |
|---|---|
| Christians ... | 33·1 |
| Hindus ... | 27·0 |
| Mahomedans ... | 25·6 |

*According to Age.*

| | Ratio per *mille.* |
|---|---|
| Under 1 year ... | 193·8 |
| 1 and under 5 years ... | 24·2 |
| 5 " 10 " ... | 8·3 |
| 10 " 15 " ... | 9·0 |
| 15 " 20 " ... | 14·1 |
| 20 " 30 " ... | 19·2 |
| 30 " 40 " ... | 21·0 |
| 40 " 50 " ... | 24·0 |
| 50 " 60 " ... | 38·8 |
| 60 years and upwards ... | 69·8 |

W. H. GREGG, *Dip. Publ. Health, Camb.*,
*Offg. Sanitary Commissioner for Benga*

*The 25th January* 1889.

| DISTRICTS. | NAMES OF MUNICIPALITIES. | POPULATION. | | | BIRTHS. | | | | | | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Disease. | | | | | | | | | | | | | | | | Sex. | | | | |
| | | | | | Number of— | | | Ratio per 1,000 of Population per Annum. | | | | Deaths from— | | | | | | | Ratio per 1,000 of Population per Annum. | | | | | | | | Deaths. | | Ratio per 1,000 of Population per Annum. | | |
| | | Males. | Females. | Total. | Males. | Females. | Total. | Males. | Females. | Total. | Ratio of male births to every 100 female births. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Ratio of deaths per 1,000 of population per annum in the previous week. | Males. | Females. | Males. | Females. | Ratio of male deaths to every 100 female deaths. |
| Burdwan ... ... | Burdwan ... ... ... | 18,063 | 16,017 | 34,080 | 7 | 6 | 13 | 16·7 | 9·1 | 19·8 | 116 | ... | ... | 16 | 4 | ... | 8 | 28 | ... | ... | 24·4 | 6·1 | ... | 12·2 | 42·7 | 33·6 | 10 | 18 | 28·8 | 58·4 | 55 |
| Midnapore... ... | Midnapore ... ... ... | 16,927 | 16,633 | 33,560 | 10 | 5 | 15 | 15·5 | 7·7 | 23·2 | 200 | ... | ... | 2 | 3 | ... | 8 | 13 | ... | ... | 3·1 | 4·3 | ... | 12·4 | 20·1 | 27·9 | 9 | 4 | 27·6 | 13·5 | 225 |
| Hughli ... ... | Hughli and Chinsurah ... | 19,179 | 19,539 | 38,718 | 8 | 11 | 19 | 10·7 | 14·8 | 25·5 | 72 | 1 | ... | 7 | 6 | ... | 2 | 16 | 1·3 | ... | 9·4 | 8·1 | ... | 2·7 | 21·5 | 20·1 | 9 | 7 | 24·4 | 18·6 | 128 |
| Serampore ... { | Serampore ... ... ... | 13,559 | 12,937 | 26,496 | 12 | 5 | 17 | 23·6 | 9·8 | 33·4 | 240 | 6 | ... | 7 | 6 | 1 | 9 | 29 | 11·8 | ... | 13·7 | 11·8 | 1·9 | 17·7 | 56·9 | 45·1 | 18 | 11 | 69·0 | 44·2 | 163 |
| Serampore ... { | Utterpara ... ... ... | 3,046 | 2,464 | 5,510 | ... | 2 | 2 | ... | 18·9 | 18·9 | No male birth. | ... | ... | 1 | ... | ... | 1 | 2 | ... | ... | 9·4 | ... | ... | 9·4 | 18·9 | 37·7 | 2 | ... | 34·1 | ... | No female death. |
| Howrah ... ... { | Howrah ... ... ... | 53,153 | 37,660 | 90,813 | 29 | 29 | 58 | 16·6 | 16·6 | 35·2 | 100 | 15 | ... | 12 | 17 | 2 | 14 | 60 | 8·6 | ... | 6·9 | 9·7 | 1·1 | 8·0 | 34·4 | 23·2 | 33 | 27 | 33·3 | 37·3 | 122 |
| Howrah ... ... { | Bali ... ... ... ... | 7,536 | 6,979 | 14,815 | 6 | 9 | 15 | 21·0 | 31·6 | 52·6 | 66 | 2 | ... | 2 | 2 | 1 | 3 | 10 | 7·0 | ... | 7·0 | 7·0 | 5·5 | 10·5 | 35·1 | 14·0 | 5 | 5 | 33·3 | 37·3 | 100 |
| 24-Pergunnahs ... | Suburbs of Calcutta ... | 147,205 | 104,234 | 251,439 | 54 | 61 | 115 | 11·2 | 12·6 | 23·8 | 88 | 33 | ... | 73 | 53 | 4 | 59 | 222 | 6·8 | ... | 15·1 | 11·0 | ·8 | 12·2 | 45·9 | 59·6 | 120 | 102 | 42·4 | 50·9 | 117 |
| Nuddea ... ... { | Kishnaghur ... ... ... | 13,263 | 14,214 | 27,477 | 6 | 2 | 8 | 11·4 | 3·8 | 15·1 | 300 | 1 | ... | 5 | ... | ... | 5 | 11 | 1·9 | ... | 9·4 | ... | ... | 9·4 | 20·8 | 24·6 | 8 | 3 | 31·4 | 11·0 | 266 |
| Nuddea ... ... { | Ranaghat ... ... ... | 4,028 | 4,655 | 8,683 | ... | ... | ... | ... | ... | ... | ..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6·0 | ... | ... | ... | ... | ..... |
| Nuddea ... ... { | Santipore ... ... ... | 13,708 | 15,979 | 29,687 | 6 | 4 | 10 | 10·5 | 7·0 | 17·5 | 150 | ... | ... | 4 | ... | ... | ... | 4 | ... | ... | 7·0 | ... | ... | ... | 7·0 | 19·3 | 3 | 1 | 11·4 | 3·3 | 300 |
| Jessore ... ... | Jessore ... ... ... | 4,330 | 3,665 | 8,495 | 1 | ... | 1 | 6·1 | ... | 6·1 | No female birth. | 1 | ... | 3 | ... | ... | ... | 4 | 6·1 | ... | 18·4 | ... | ... | ... | 24·5 | 6·1 | 1 | 3 | 10·8 | 42·6 | 33 |
| Rajshahye ... ... | Rampore Beauleah ... | 10,706 | 9,025 | 19,791 | 7 | 6 | 13 | 18·4 | 15·8 | 34·2 | 116 | ... | ... | 8 | 3 | ... | ... | 11 | ... | ... | 21·0 | 7·9 | ... | ... | 28·9 | 34·2 | 8 | 3 | 38·6 | 17·3 | 266 |
| Darjiling ... ... | Darjiling* ... ... ... | 5,029 | 2,947 | 7,976 | ... | 3 | 3 | ... | 19·6 | 19·6 | No male birth. | ... | ... | 3 | ... | ... | ... | 3 | ... | ... | 19·6 | ... | ... | ... | 19·6 | 32·6 | 2 | 1 | 20·7 | 17·6 | 200 |
| Dacca ... ... { | Dacca ... ... ... | 42,782 | 37,379 | 80,161 | 13 | 22 | 35 | 8·4 | 14·3 | 22·7 | 59 | 5 | 1 | 12 | 2 | 1 | 10 | 31 | 3·2 | ·6 | 7·8 | 1·3 | ·6 | 6·5 | 20·1 | 20·1 | 29 | 11 | 24·3 | 15·3 | 181 |
| Dacca ... ... { | Naraiuganj ... ... ... | 7,665 | 4,956 | 12,561 | 5 | 7 | 12 | 20·7 | 29·0 | 49·7 | 71 | 1 | ... | 1 | ... | ... | 2 | 4 | 4·1 | ... | 4·1 | ... | ... | 8·3 | 16·6 | 37·3 | 3 | 1 | 20·5 | 16·5 | 300 |
| Chittagong ... | Chittagong ... ... ... | 13,340 | 8,790 | 22,130 | 4 | 2 | 6 | 9·4 | 4·7 | 14·1 | 200 | ... | ... | 7 | ... | ... | 1 | 8 | ... | ... | 16·4 | ... | ... | 2·3 | 18·8 | 14·1 | 4 | 4 | 15·6 | 23·7 | 100 |
| Tipperah ... ... | Comillah ... ... ... | 8,153 | 5,353 | 13,506 | 3 | 6 | 9 | 11·5 | 23·1 | 34·6 | 50 | ... | ... | 3 | 1 | ... | 3 | 7 | ... | ... | 11·5 | 3·9 | ... | 11·5 | 27·0 | 23·1 | 4 | 3 | 25·5 | 29·1 | 133 |
| Patna ... ... | Patna City ... ... ... | 78,762 | 81,475 | 160,237 | 34 | 40 | 74 | 11·0 | 13·0 | 24·0 | 85 | 4 | 2 | 15 | 5 | 4 | 17 | 47 | 1·3 | ·6 | 4·9 | 1·6 | 1·3 | 5·5 | 15·3 | 15·3 | 23 | 24 | 15·2 | 15·3 | 95 |
| Gya ... ... ... | Gya ... ... ... | 38,290 | 37,831 | 76,121 | 26 | 19 | 45 | 17·7 | 13·0 | 30·7 | 136 | ... | ... | 24 | 1 | ... | 10 | 35 | ... | ... | 16·4 | ·7 | ... | 6·8 | 23·9 | 28·7 | 17 | 18 | 23·1 | 24·7 | 94 |
| Shahabad ... ... | Arrah ... ... ... | 20,960 | 22,505 | 43,465 | 8 | 5 | 13 | 9·6 | 6·0 | 15·6 | 160 | ... | ... | 5 | ... | 1 | 4 | 10 | ... | ... | 6·0 | ... | 1·2 | 4·8 | 12·0 | 9·6 | 6 | 4 | 14·9 | 9·2 | 150 |
| Mozufferpore ... | Mozufferpore ... ... | 23,084 | 19,658 | 42,742 | 4 | 7 | 11 | 4·9 | 8·5 | 13·4 | 57 | 1 | ... | 1 | ... | ... | 6 | 8 | 1·2 | ... | 1·2 | ... | ... | 7·3 | 9·7 | 18·2 | 3 | 5 | 6·8 | 13·2 | 60 |
| Durbhanga... ... | Durbhanga ... ... ... | 33,774 | 32,322 | 66,096 | 17 | 17 | 34 | 13·3 | 13·3 | 26·7 | 100 | ... | ... | 21 | 2 | ... | 12 | 35 | ... | ... | 16·5 | 1·6 | ... | 9·4 | 27·5 | 24·4 | 16 | 19 | 24·6 | 30·6 | 84 |
| Sarun ... ... | Chupra ... ... ... | 26,044 | 27,205 | 53,249 | 16 | 14 | 30 | 15·6 | 13·7 | 29·3 | 144 | ... | ... | 2 | 1 | ... | 8 | 11 | ... | ... | 1·9 | 1·0 | ... | 7·8 | 10·7 | 20·5 | 7 | 4 | 14·0 | 7·6 | 175 |
| Bhagulpore... ... | Bhagulpore ... ... ... | 29,640 | 27,813 | 57,453 | 18 | 24 | 42 | 16·3 | 21·7 | 38·0 | 75 | 1 | ... | 7 | ... | ... | 11 | 19 | ·9 | ... | 6·3 | ... | ... | 10·0 | 17·2 | 12·7 | 14 | 5 | 24·6 | 9·3 | 280 |
| Monghyr ... ... | Monghyr ... ... ... | 28,154 | 29,366 | 57,520 | 23 | 17 | 40 | 20·8 | 15·4 | 36·2 | 135 | ... | ... | 10 | 3 | 1 | 14 | 28 | ... | ... | 9·0 | 2·7 | ·9 | 12·7 | 25·3 | 13·6 | 13 | 15 | 24·0 | 26·6 | 86 |
| Purneah ... ... | Purneah ... ... ... | 8,463 | 6,553 | 15,016 | 9 | 1 | 10 | 31·2 | 3·4 | 34·6 | 900 | ... | ... | 5 | ... | ... | 1 | 6 | ... | ... | 17·3 | ... | ... | 3·4 | 20·8 | 17·3 | 3 | 3 | 18·4 | 23·8 | 100 |
| Puri ... ... | Puri ... ... ... | 13,247 | 11,537 | 24,784 | 4 | 4 | 8 | 8·4 | 8·4 | 16·8 | 100 | ... | ... | 3 | 2 | ... | 10 | 15 | ... | ... | 6·3 | 4·2 | ... | 21·0 | 31·5 | 35·7 | 6 | 9 | 23·6 | 40·6 | 66 |
| | Total ... | 702,890 | 619,691 | 1,322,581 | 336 | 328 | 658 | 13·0 | 12·9 | 25·9 | 100 | 71 | 3 | 259 | 111 | 15 | 218 | 677 | 2·8 | ·1 | 10·2 | 4·3 | ·6 | 8·6 | 26·6 | 28·9 | 367 | 310 | 27·2 | 26·0 | 118 |

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

| DISTRICTS. | NAMES OF MUNICIPALITIES. | 13 | | | | | 14 | | | | | 15 | | | | | | | | | | 16 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Class. | | | | | | | | | | Age. | | | | | | | | | | | | | | | | | | | |
| | | DEATHS AMONG— | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | DEATHS. | | | | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | | |
| | | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. |
| Burdwan ... ... | Burdwan ... ... ... ... | ... | 16 | 12 | ... | ... | ... | 35·1 | 60·8 | ... | ... | 4 | ... | 1 | 1 | 2 | 3 | 6 | 4 | 2 | 5 | 315·2 | ..... | 22·3 | 20·7 | 33·3 | 19·7 | 45·2 | 47·1 | 42·4 | 175·4 |
| Midnapore ... ... | Midnapore ... ... ... | 1 | 11 | 1 | ... | ... | 233·2 | 22·1 | 7·2 | ... | ... | 1 | 1 | 1 | 1 | 1 | 1 | ... | 1 | 2 | 4 | 70·9 | 22·1 | 13·9 | 17·1 | 16·5 | 7·1 | ..... | 14·0 | 30·4 | 113·7 |
| Hughli ... ... | Hughli and Chinsurah ... | ... | 14 | 2 | ... | ... | ... | 23·0 | 15·2 | ... | ... | 5 | 3 | 1 | ... | ... | 2 | 1 | 1 | 1 | 2 | 275·7 | 58·5 | 14·9 | ..... | ..... | 13·6 | 7·4 | 10·1 | 15·9 | 41·5 |
| Serampore ... ... | Serampore ... ... ... | ... | 29 | ... | ... | ... | ... | 59·8 | ... | ... | ... | 7 | 7 | ... | 1 | ... | 3 | 3 | 3 | ... | 5 | 512·7 | 201·7 | ..... | 23·4 | ..... | 29·0 | 31·4 | 46·2 | ..... | 186·9 |
| | Utterpara ... ... ... ... | ... | 2 | ... | ... | ... | ... | 19·5 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 323·0 | ..... | ..... | ..... | ..... | ..... | 49·0 | ..... | ..... | ..... |
| Howrah ... ... | Howrah ... ... ... ... | ... | 50 | 10 | ... | ... | ... | 38·2 | 25·3 | ... | ... | 5 | 4 | ... | 1 | 6 | 8 | 14 | 7 | 7 | 8 | 126·9 | 37·5 | ..... | 7·9 | 42·6 | 18·3 | 37·8 | 31·6 | 66·3 | 119·9 |
| | Bali ... ... ... ... ... | ... | 10 | ... | ... | ... | ... | 38·8 | ... | ... | ... | 3 | 2 | ... | ... | ... | 2 | 1 | 1 | 1 | ... | 430·9 | 54·1 | ..... | ..... | ..... | 31·1 | 18·5 | 26·9 | 49·6 | ..... |
| 24-Pergunnahs ... ... | Suburbs of Calcutta ... ... | 5 | 137 | 89 | ... | ... | 64·2 | 47·5 | 43·1 | ... | ... | 28 | 17 | 4 | 4 | 8 | 40 | 39 | 27 | 25 | 30 | 305·6 | 54·7 | 10·6 | 11·6 | 23·1 | 35·8 | 30·4 | 41·3 | 76·6 | 109·6 |
| Nuddea ... ... | Kishnaghur ... ... ... | ... | 6 | 5 | ... | ... | ... | 16·7 | 31·4 | ... | ... | 4 | ... | 1 | ... | 1 | ... | ... | ... | 2 | 3 | 419·4 | ..... | 15·1 | ..... | 25·3 | ..... | ..... | ..... | 49·4 | 90·3 |
| | Ranaghat ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Santipore ... ... ... ... | ... | 4 | ... | ... | ... | ... | 10·0 | ... | ... | ... | 2 | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | 123·1 | 17·9 | ..... | ..... | ..... | 10·3 | ..... | ..... | ..... | ..... |
| Jessore ... ... | Jessore ... ... ... ... | ... | ... | 4 | ... | ... | ... | ... | 54·4 | ... | ... | 1 | ... | ... | ... | ... | 2 | ... | 1 | ... | ... | 263·0 | ..... | ..... | ..... | ..... | 51·6 | ..... | 49·5 | ..... | ..... |
| Rajshahye ... ... | Rampore Beauleah ... ... | ... | 5 | 6 | ... | ... | ... | 26·2 | 31·8 | ... | ... | 1 | ... | ... | 1 | 1 | 3 | 2 | 3 | ... | ... | 128·1 | ..... | ..... | 28·9 | 31·3 | 37·5 | 28·9 | 63·6 | ..... | ..... |
| Darjiling ... ... | Darjiling ... ... ... | ... | 3 | ... | ... | ... | ... | 34·0 | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | ... | ... | ... | ..... | ..... | ..... | ..... | ..... | 78·0 | ..... | ..... | ..... | ..... |
| Dacca ... ... | Dacca ... ... ... ... | 2 | 12 | 17 | ... | ... | 318·9 | 15·5 | 22·5 | ... | ... | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 4 | 5 | 82·2 | 14·1 | 15·7 | 13·1 | 14·2 | 10·3 | 22·3 | 12·4 | 43·9 | 46·7 |
| | Narainganj ... ... ... | ... | 2 | 2 | ... | ... | ... | 16·4 | 16·9 | ... | ... | 2 | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | 372·8 | 45·6 | ..... | ..... | ..... | 19·5 | ..... | ..... | ..... | ..... |
| Chittagong ... ... | Chittagong ... ... ... | 1 | ... | 7 | ... | ... | 65·3 | ... | 23·8 | ... | ... | ... | 1 | 1 | 1 | ... | 1 | 1 | 1 | 1 | 1 | ..... | 26·4 | 20·8 | 20·2 | ..... | 11·2 | 15·6 | 23·0 | 47·9 | 65·3 |
| Tipperah ... ... | Comillah ... ... ... ... | ... | 5 | 2 | ... | ... | ... | 43·7 | 14·1 | ... | ... | 3 | ... | ... | ... | 1 | ... | ... | 2 | ... | 1 | 525·3 | ..... | ..... | ..... | 41·3 | ..... | ..... | 79·1 | ..... | 76·7 |
| Patna ... ... | Patna City ... ... ... | ... | 37 | 10 | ... | ... | ... | 16·2 | 12·7 | ... | ... | 6 | 2 | 4 | 6 | ... | 5 | ... | 4 | 11 | 9 | 72·4 | 7·1 | 12·4 | 21·7 | ..... | 9·0 | ..... | 11·0 | 40·5 | 33·9 |
| Gya ... ... | Gya ... ... ... ... | ... | 29 | 6 | ... | ... | ... | 25·1 | 19·4 | ... | ... | 4 | 2 | 1 | 1 | ... | 6 | 1 | 6 | 5 | 9 | 116·2 | 16·4 | 7·4 | 7·7 | ..... | 21·2 | 4·1 | 31·9 | 39·6 | 90·9 |
| Shahabad ... ... | Arrah ... ... ... ... | ... | 7 | 3 | ... | ... | ... | 11·7 | 12·6 | ... | ... | 1 | 1 | ... | ... | 1 | 1 | ... | 1 | 1 | 4 | 40·4 | 11·7 | ..... | ..... | 16·5 | 6·6 | ..... | 11·1 | 16·8 | 72·1 |
| Mozufferpore ... | Mozufferpore ... ... ... | ... | 5 | 3 | ... | ... | ... | 8·7 | 12·5 | ... | ... | 3 | ... | 1 | ... | ... | ... | 3 | ... | ... | 1 | 163·4 | ..... | 11·6 | ..... | ..... | ..... | 22·4 | ..... | ..... | 21·4 |
| Durbhanga ... ... | Durbhanga ... ... ... ... | ... | 23 | 12 | ... | ... | ... | 24·7 | 35·5 | ... | ... | 13 | 3 | 1 | ... | 2 | 3 | 2 | 3 | 2 | 6 | 434·2 | 20·5 | 6·6 | ..... | 25·9 | 11·7 | 9·3 | 21·0 | 21·7 | 97·7 |
| Sarun ... ... | Chupra ... ... ... ... | ... | 9 | 2 | ... | ... | ... | 11·4 | 8·7 | ... | ... | 3 | ... | ... | 1 | ... | ... | 3 | ... | 1 | 3 | 108·0 | ..... | ..... | 10·1 | ..... | ..... | 19·3 | ..... | 12·3 | 44·8 |
| Bhagulpore ... ... | Bhagulpore ... ... ... ... | ... | 16 | 3 | ... | ... | ... | 20·9 | 9·1 | ... | ... | 5 | 2 | 1 | ... | ... | 6 | 1 | 1 | 1 | 2 | 217·8 | 19·2 | 8·9 | ..... | ..... | 28·5 | 5·6 | 8·1 | 12·2 | 28·9 |
| Monghyr ... ... | Monghyr ... ... ... ... | ... | 24 | 4 | ... | ... | ... | 27·9 | 16·5 | ... | ... | 4 | 1 | 1 | ... | 1 | 2 | 6 | 4 | 2 | 7 | 140·1 | 8·4 | 7·4 | ..... | 13·8 | 10·1 | 35·0 | 32·6 | 26·2 | 101·5 |
| Purneah ... ... | Purneah ... ... ... ... | ... | 4 | 2 | ... | ... | ... | 22·7 | 18·4 | ... | ... | 1 | ... | ... | ... | ... | 2 | 2 | ... | ... | 1 | 183·7 | ... .. | ..... | ..... | ..... | 31·7 | 33·8 | ..... | ..... | 64·4 |
| Puri ... ... | Puri ... ... ... ... | ... | 15 | ... | ... | ... | ... | 31·8 | ... | ... | ... | 3 | 1 | ... | ... | 1 | 2 | 1 | 2 | 3 | 2 | 514·9 | 28·9 | ..... | ..... | 28·0 | 15·7 | 12·8 | 31·3 | 69·9 | 57·6 |
| | TOTAL ... | 9 | 475 | 193 | ... | ... | 39·1 | 27·0 | 25·6 | ... | ... | 113 | 61 | 21 | 20 | 27 | 100 | 92 | 74 | 71 | 108 | 193·8 | 24·2 | 8·3 | 9·0 | 14·1 | 19·2 | 21·0 | 24·0 | 38·8 | 69·8 |

## CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 26th January* 1889, *as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 26th January 1889. | | | Week ending Saturday, the 28th January 1888. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... ... | 1,803 | 5,06,175 | 8,984 | 1,832 | 4,99,075 | 9,592 |
| Jute ... ... | 142 | 97,075 | 1,735 | 241 | 1,07,075 | 1,886 |
| Firewood ... ... | 125 | 61,400 | 878 | 90 | 59,700 | 909 |
| Other articles ... ... | 1,244 | 2,53,510 | 3,715 | 961 | 2,18,080 | 3,251 |
| Total ... | 3,314 | 9,18,160 | 15,312 | 3,124 | 8,83,930 | 15,638 |

# Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 19th January 1889, on 1,513¾ miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles | |
|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| Total traffic for the period ... | 241,410 | 2,83,431 8 0 | 28,01,830 30 | 6,03,164 0 6 | 16,713 3 0 | 9,03,308 11 6 | 64,567½ | 92,039½ |
| Or per mile of railway ... ... | ..... | 187 3 9 | ..... | 398 7 4 | 11 0 8 | 596 11 9 | ..... | ..... |
| For previous 2 weeks of half-year ... ... ... ... | 384,287 | 4,60,992 13 0 | 50,96,198 10 | 10,96,819 9 0 | 29,458 5 0 | 15,87,270 11 0 | 111,953½ | 169,175½ |
| Total for 3 weeks ... | 625,697 | 7,44,424 5 0 | 78,98,029 0 | 16,99,983 9 6 | 46,171 8 0 | 24,90,579 6 6 | 176,521 | 261,208½ |
| Comparison. | | | | | | | | |
| Total for corresponding week of previous year ... ... | 290,441 | 3,28,089 7 2 | 25,95,843 10 | 6,22,886 7 0 | 22,158 14 6 | 9,73,134 12 8 | 66,392 | 102,481 |
| Per mile of railway corresponding period of previous year ... | ..... | 216 11 10 | ..... | 411 7 9 | 14 10 3 | 642 13 10 | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 811,089½ | 9,48,179 2 6 | 82,03,182 20 | 19,69,764 13 9 | 64,160 6 4 | 29,73,104 6 1 | 198,293 | 311,961 |

*Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.*

| Receipts for week ending 21st January 1888. | | | Receipts for week ending 19th January 1889. | | | Total receipts from 1st April 1887 to 21st January 1888. | | | Total receipts from 1st April 1888 to 19th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 1,513¾ | 9,73,135 | 643 | 1,513¾ | 9,03,309 | 597 | 1,613¾ | 3,63,31,870 | 571 | 1,513¾ | 3,48,06,859 | 547 | ..... | 15,2 |

## PATNA-GYA STATE RAILWAY.

*Approximate Return of Traffic for week ended 19th January 1889, on 57½ miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles | |
|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| Total traffic for the week ... | 11,437 | 6,143 9 0 | 24,171 30 | 1,728 3 0 | 58 2 10 | 7,929 14 10 | 1,785 | 699 |
| Or per mile of railway ... ... | 200 | 107 6 6 | 422 30 | 30 3 5 | 0 10 8 | 138 4 7 | ..... | ..... |
| For previous 2 weeks of half-year ... ... ... ... ... | 21,961 | 11,618 14 0 | 44,623 30 | 2,895 8 0 | 46 5 0 | 14,560 11 0 | 3,038 | 1,066 |
| Total for 3 weeks ... | 33,398 | 17,762 7 0 | 68,795 20 | 4,633 11 0 | 84 7 10 | 22,470 9 10 | 4,823 | 1,675 |
| Comparison. | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 13,590 | 7,840 9 10 | 38,329 10 | 2,486 10 0 | 63 4 6 | 10,390 8 4 | 2,606 | 562 |
| Per mile of railway corresponding week of previous year ... | 238 | 137 1 2 | 670 10 | 43 7 7 | 1 1 8 | 181 10 5 | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 39,949 | 21,100 12 9 | 1,04,933 30 | 6,447 7 0 | 168 7 0 | 27,725 11 6 | 5,662 | 1,634 |

*Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.*

| Receipts for week ending 21st January 1888. | | | Receipts for week ending 19th January 1889. | | | Total receipts from 1st April 1887 to 21st January 1888. | | | Total receipts from 1st April 1888 to 19th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | R | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | |
| 57½ | 10,391 | 183 | 57½ | 7,910 | 138 | 57½ | 4,07,873 | 170 | 57½ | 3,90,490 | 163 | ..... | 1 |

## DILDARNAGAR-GHAZIPUR STATE RAILWAY.

*Approximate Return of Traffic for week ended 19th January 1889, on 12 miles open.*

| | Coaching Traffic | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 2,469 | 414 4 0 | 26,817 10 | 662 3 0 | 5 1 8 | 1,081 8 8 | 353½ | 160 | 493½ |
| Per mile of railway ... ... | ..... | 34 8 4 | ..... | 55 2 11 | 0 6 10 | 90 2 1 | ..... | ..... | ..... |
| For previous 2 weeks of half-year ... ... ... ... ... | 4,085 | 700 1 0 | 43,163 0 | 1,041 2 0 | 12 2 0 | 1,753 5 0 | 604 | 242 | 846 |
| Total for 3 weeks ... | 6,554 | 1,114 5 0 | 69,980 10 | 1,703 5 0 | 17 3 8 | 2,834 13 8 | 957½ | 402 | 1,339½ |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 3,245 | 531 8 11 | 27,535 0 | 609 2 0 | 7 4 0 | 1,147 14 11 | 345 | 148 | 493 |
| Per mile of railway correspond-ing week of previous year ... | ..... | 44 4 9 | ..... | 50 12 2 | 0 9 8 | 95 10 7 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 9,903 | 1,629 6 0 | 72,712 20 | 1,620 0 0 | 25 2 6 | 3,274 8 6 | 991 | 488 | 1,479 |

*Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.*

| Receipts for week ending 21st January 1888. | | | Receipts for week ending 19th January 1889. | | | Total receipts from 1st April 1887 to 21st January 1888. | | | Total receipts from 1st April 1888 to 19th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 12 | 1,148 | 96 | 12 | 1,082 | 90 | 12 | 38,795 | 77 | 12 | 36,946 | 73 | ..... | 1,849 |

## SINDIA STATE RAILWAY.

*Approximate Return of Traffic for week ended 19th January 1889, on 74½ miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 5,647 | 4,091 11 0 | 1,08,237 10 | 4,596 4 0 | 107 9 6 | 8,795 8 6 | 678 | 937½ | 1,615½ |
| Per mile of railway ... ... | ..... | 54 11 8 | ..... | 61 7 2 | 1 7 0 | 117 9 5 | ..... | ..... | ..... |
| For previous 2 weeks of half-year ... ... ... ... ... | 8,493 | 6,225 3 0 | 1,67,486 30 | 6,156 4 0 | 114 12 0 | 12,496 3 0 | 1,091 | 1,349½ | 2,440½ |
| Total for 3 weeks ... | 14,140 | 10,316 14 0 | 2,75,724 0 | 10,752 8 0 | 222 5 6 | 21,291 11 6 | 1,769 | 2,286½ | 4,055½ |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 4,858½ | 3,713 1 3 | 83,059 0 | 4,509 3 0 | 200 3 9 | 8,422 8 0 | 614 | 1,939 | 2,553 |
| Per mile of railway correspond-ing week of previous year ... | ..... | 49 10 3 | ..... | 60 4 6 | 2 10 10 | 112 9 7 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 13,436 | 10,069 5 10 | 2,67,097 30 | 14,954 5 0 | 417 4 0 | 25,440 14 10 | 1,944 | 5,101 | 7,045 |

*Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.*

| Receipts for week ending 21st January 1888. | | | Receipts for week ending 19th January 1889. | | | Total receipts from 1st April 1887 to 21st January 1888. | | | Total receipts from 1st April 1888 to 19th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 74½ | 8,423 | 113 | 74½ | 8,796 | 118 | 74½ | 3,61,171 | 116 | 74½ | 2,85,794 | 91 | ..... | 75,377 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 19th January 1889, on 22¼ miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles | |
|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| Total traffic for the week ... | 20,168 | 4,954 9 0 | 11,215 0 | 363 14 0 | 7 5 10 | 5,325 12 10 | 911 | 57 |
| Or per mile of railway ... ... | ..... | 222 10 10 | ..... | 16 5 8 | 0 5 3 | 239 5 9 | ..... | ..... |
| For previous 2 weeks of half-year ... ... ... ... ... | 30,815 | 7,913 6 0 | 14,231 30 | 497 6 0 | 12 5 0 | 8,423 1 0 | 1,554 | 105 |
| Total for 8 weeks ... | 50,983 | 12,867 15 0 | 25,446 30 | 861 4 0 | 19 10 10 | 13,748 13 10 | 2,465 | 162 |
| **Comparison.** | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 19,737 | 4,936 12 10 | 6,393 0 | 201 13 0 | 4 2 0 | 5,142 11 10 | 869 | 99 |
| Per mile of railway corresponding week of previous year ... | ..... | 221 14 1 | ..... | 9 1 1 | 0 5 0 | 231 2 2 | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 53,724½ | 13,309 12 4 | 21,032 30 | 658 3 0 | 15 5 0 | 13,983 4 4 | 2,593 | 312 |

*Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Work Department Circular No. XXI, Railway, dated 23rd July 1883.*

| Receipts for week ending 21st January 1888. | | | Receipts for week ending 19th January 1889. | | | Total receipts from 1st April 1887 to 21st January 1888. | | | Total receipts from 1st April 1888 to 19th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | |
| 22¼ | 5,143 | 231 | 22¼ | 5,326 | 239 | 22¼ | 2,07,212 | 223 | 22¼ | 2,17,129 | 232 | 9,917 | ... |

## EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

*Approximate Return of Traffic for the first 12 days of January 1889, on 673 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles | |
|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| Total traffic for first 12 days ... | 225,910 | 1,16,090 0 0 | 8,89,830 0 | 2,31,380 0 0 | 28,600 0 0 | 3,76,070 0 0 | 36,862 | 54,426 |
| Or per mile of railway ... ... | 336 | 172 0 0 | 1,322 0 | 344 0 0 | *7 0 0 | 523 0 0 | ..... | ..... |
| For previous weeks of half-year ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 12 days or 2 weeks ... | 225,910 | 1,16,090 0 0 | 8,89,830 0 | 2,31,380 0 0 | 28,600 0 0 | 3,76,070 0 0 | 36,862 | 54,426 |
| **Comparison.** | | | | | | | | |
| Total for corresponding 14 days of previous year ... | 282,823 | 1,18,075 0 0 | 8,20,347 0 | 1,74,273 0 0 | 23,671 0 0 | 3,16,019 0 0 | 42,496 | 40,367 |
| Per mile of railway corresponding period of previous year ... | 428 | 183 0 0 | 1,272 0 | 270 0 0 | *7 0 0 | 490 0 0 | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 282,823 | 1,18,075 0 0 | 8,20,347 0 | 1,74,273 0 0 | 23,671 0 0 | 3,16,019 0 0 | 42,496 | 40,367 |

* Excluding steamer earnings.

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Eastern Bengal State Railway.*

| Receipts for first 14 days of January 1888. | | | Receipts for first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs | Rs. | | Rs | Rs. | Rs. | |
| 645 | 3,16,019 | 490 | 673 | 3,76,070 | 559 | 645 | 76,65,725 | 290 | 673 | *85,41,345 | 310 | 8,75,620 | ... |

* Audited up to week ending 1st December 1888.

## BENGAL CENTRAL RAILWAY.

*Approximate Return of Traffic for first* 12 *days of January* 1889, *on* 125 *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for first 12 days ... | 41,890 | 14,710 0 0 | 75,400 0 | 4,170 0 0 | 2,180 0 0 | 21,060 0 0 | 6,132 | 3,557 | 9,689 |
| Average per mile of railway ... ... | 335 | 118 0 0 | 603 0 | 33 0 0 | 18 0 0 | 169 0 0 | ..... | ..... | ..... |
| Average previous weeks of half-year ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 12 days or 2 weeks ... | 41,890 | 14,710 0 0 | 75,400 0 | 4,170 0 0 | 2,180 0 0 | 21,060 0 0 | 6,132 | 3,557 | 9,689 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 14 days previous year ... ... ... | 49,077 | 16,122 0 0 | 78,708 0 | 4,792 0 0 | 228 0 0 | 21,142 0 0 | 6,606 | 3,814 | 10,420 |
| Average mile of railway correspond-ing period of previous year ... | 393 | 129 0 0 | 630 0 | 38 0 0 | 2 0 0 | 169 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 49,077 | 16,122 0 0 | 78,708 0 | 4,792 0 0 | 228 0 0 | 21,142 0 0 | 6,606 | 3,814 | 10,420 |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Bengal Central Railway.*

| Receipts for first 14 days or 2 weeks of January 1888. | | | Receipts for first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 125 | 21,142 | 169 | 125 | 21,060 | 169 | 125 | 5,26,726 | 103 | 125 | *5,62,599 | 110 | 35,873 | ..... |

* Audited up to week ending 1st December 1888.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic for first* 12 *days of January* 1889, *on* 86 *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for first 12 days ... | 22,500 | 8,010 0 0 | 23,630 0 | 2,760 0 0 | 150 0 0 | 10,920 0 0 | 4,322 | 1,032 | 5,354 |
| Average per mile of railway ... ... | 262 | 93 0 0 | 275 0 | 32 0 0 | 2 0 0 | 127 0 0 | ..... | ..... | ..... |
| Average previous weeks of half-year ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 12 days or 2 weeks ... | 22,500 | 8,010 0 0 | 23,630 0 | 2,760 0 0 | 150 0 0 | 10,920 0 0 | 4,322 | 1,032 | 5,354 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 14 days previous year ... ... ... | 28,617 | 9,035 0 0 | 18,974 0 | 2,129 0 0 | 329 0 0 | 11,493 0 0 | 4,970 | 1,238 | 6,208 |
| Average mile of railway correspond-ing period of previous year ... | 333 | 105 0 0 | 221 0 | 25 0 0 | 4 0 0 | 134 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 28,617 | 9,035 0 0 | 18,974 0 | 2,129 0 0 | 329 0 0 | 11,493 0 0 | 4,970 | 1,238 | 6,208 |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Dacca State Railway.*

| Receipts for first 2 weeks of January 1888. | | | Receipts for first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 86 | 11,493 | 134 | 86 | 10,920 | 127 | 86 | 2,37,431 | 67 | 86 | *2,35,959 | 67 | ..... | 1,472 |

* Audited up to week ending 1st December 1888.

## ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

*Approximate Return of Traffic for first 12 days of January 1889, on 38 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles ru | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | To |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for first 12 days ... | 3,917 | 1,450 0 0 | 36,240 0 | 2,970 0 0 | 50 0 0 | 4,470 0 0 | 936 | 936 | |
| Or per mile of railway ... ... | 103 | 38 0 0 | 954 0 | 78 0 0 | 2 0 0 | 118 0 0 | ..... | ..... | |
| For previous weeks of half-year ... ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| Total for 12 days or 2 weeks ... | 3,917 | 1,450 0 0 | 36,240 0 | 2,970 0 0 | 50 0 0 | 4,470 0 0 | 936 | 936 | |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 14 days of previous year ... | 4,783 | 1,752 0 0 | 38,815 0 | 2,966 0 0 | 135 0 0 | 4,853 0 0 | 1,092 | 1,092 | |
| Per mile of railway corresponding period of previous year... | 123 | 45 0 0 | 995 0 | 76 0 0 | 3 0 0 | 124 0 0 | ..... | ..... | |
| Total to corresponding date of previous year ... ... ... | 4,783 | 1,752 0 0 | 38,815 0 | 2,966 0 0 | 135 0 0 | 4,853 0 0 | 1,092 | 1,092 | |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Assam-Behar State Railway.*

| Receipts for 2 weeks or first 14 days of January 1888. | | | Receipts for first 12 days of January 1889. | | | Total receipts from 1st April 1887 to 14th January 1888. | | | Total receipts from 1st April 1888 to 12th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 39 | 4,853 | 124 | 38 | 4,470 | 118 | 39 | 91,886 | 57 | 38 | *1,36,490 | 88 | 44,604 | |

* Audited up to week ending 1st December 1888.

## NALHATI STATE RAILWAY.

*Approximate Return of Traffic for the week ending 19th January 1889, on 27¼ miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles | |
|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. |
| | | Rs. A. P. | Mds. s. | Rs A. P. | Rs. A. P. | Rs. A. P. | | |
| Total traffic for the week... ... | 3,240 | 1,100 0 0 | 15,950 0 | 823 0 0 | 17 0 0 | 1,940 0 0 | 509 | 258 |
| Or per mile of railway ... ... | 119 | 40 0 0 | 585 0 | 30 0 0 | 1 0 0 | 71 0 0 | ..... | ..... |
| For previous 1 week of half-year ... ... ... ... ... | 4,070 | 1,679 0 0 | 23,511 0 | 1,235 0 0 | 22 0 0 | 2,936 0 0 | 873 | 435 |
| Total for 2 weeks ... | 8,210 | 2,779 0 0 | 39,461 0 | 2,058 0 0 | 39 0 0 | 4,876 0 0 | 1,382 | 689 |
| **Comparison.** | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 2,997 | 1,106 0 0 | 16,316 0 | 761 0 0 | 144 0 0 | 2,011 0 0 | 509 | 633 |
| Per mile of railway corresponding week of previous year ... | 110 | 41 0 0 | 599 0 | 28 0 0 | 5 0 0 | 74 0 0 | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 8,525 | 3,126 0 0 | 60,418 0 | 2,836 0 0 | 178 0 0 | 6,140 0 0 | 1,527 | 1,443 |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Nalhati State Railway.*

| Receipts for week ending 21st January 1888. | | | Receipts for week ending 19th January 1889. | | | Total receipts from 1st April 1887 to 21st January 1888. | | | Total receipts from 1st April 1888 to 19th January 1889. | | | Total increase in 1888-89. | Total decrease in 188 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | |
| 71 | 2,011 | 74 | 27½ | 1,940 | 71 | 27½ | 82,233 | 65 | 27½ | 79,864 | 71 | 7,631 | |

## TIRHOOT STATE RAILWAY.

*Approximate Return of Traffic for the week ending 19th January 1889, on 273 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Local traffic for the week on 273 miles open ... ... ... | 39,837 | †13,850 0 0 | 1,37,424 0 | 13,545 0 0 | 3,178 0 0 | 30,571 0 0 | 5,691 | 4,887 | 10,578 |
| Per mile of railway ... ... | 146 | 51 0 0 | 503 0 | 49 0 0 | 3 0 0 | 103 0 0 | ..... | ..... | ..... |
| For previous 1 week of half-year ... ... ... ... ... | 58,236 | 20,059 0 0 | 2,30,219 0 | 20,273 0 0 | 5,175 0 0 | 45,507 0 0 | 9,090 | 9,179 | 18,179 |
| Total for 2 weeks ... | 98,073 | 33,909 0 0 | 3,67,643 0 | 33,818 0 0 | 8,351 0 0 | 76,078 0 0 | 14,631 | 14,066 | 28,757 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 250 miles open | 39,842 | 16,751 0 0 | 1,69,320 0 | 16,341 0 0 | 2,934 0 0 | 36,026 0 0 | 6,564 | 7,004 | 13,568 |
| Per mile of railway corresponding week of previous year ... | 154 | 65 0 0 | 654 0 | 63 0 0 | 1 0 0 | 129 0 0* | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 116,296 | 45,708 0 0 | 5,62,022 0 | 59,977 0 0 | 9,192 0 0 | 1,14,877 0 0 | 18,921 | 22,362 | 41,483 |

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

† Less receipts due to *local passengers* being more than in the corresponding week of the previous year.

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Tirhoot State Railway.*

| Receipts for week ending 21st January 1888. | | | Receipts for week ending 19th January 1889. | | | Total receipts from 1st April 1887 to 21st January 1888. | | | Total receipts from 1st April 1888 to 19th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 1888 | 36,926 | 139 | 273 | 30,571 | 112 | 251·05 | 13,86,099 | 135 | 264·29 | 13,02,711 | 120 | ..... | 83,388 |

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | Rs. |
|---|---|
| Approximate earnings for first 12 days of January 1889 ... ... ... ... ... | 5,861 |
| Corresponding week last year ... ... ... ... ... ... | 7,954 |
| Decrease ... ... ... ... ... ... | 2,093 |
| | Miles. |
| Miles open first 12 days of January 1889 ... ... ... ... ... | 51 |
| Corresponding week last year ... ... ... ... ... | 51 |
| | Rs. A. P. |
| Receipts per mile open first 12 days of January 1889 ... ... | 114 14 9 |
| Corresponding week last year ... ... ... ... ... ... | 155 15 4 |
| Decrease ... ... ... ... ... ... | 41 0 7 |

Printed and published by Edwin Morris Lewis, at the Printing Office of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, 30th January 1889.

REGISTERED No. 29.

No. 6 of 1889.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, FEBRUARY 6, 1889.

## OFFICIAL PAPERS.

*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

## CONTENTS.


| | Page. |
|---|---|
| QUARTERLY Inspection of the Kidderpore Dock Works ... | 219 |
| Rainfall, Weather, and State and Prospects of the Crops ... | 221 |
| Statement showing the Quantities of the Principal Staples of Traffic Imported and Exported into Calcutta from the interior during the month of October 1888 ... ... ... | 223 |
| Prices-current (*retail*) of Food-grains, Firewood and Salt in the Head-quarter Station Bazars of the districts of Bengal on the 31st January 1889 ... ... ... ... | 224 |
| Meteorological Report of the Province of Bengal for the week ending Friday the 1st of February 1889 ... | 232 |
| Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 1st of February 1889 ... ... ... | 234 |
| Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of January 1889 ... ... ... ... ... ... ... | 239 |
| RESULTS of the Meteorological Observations taken at the Alipore Observatory from 27th January to 2nd February 1889 ... ... ... ... ... ... ... ... | 240 |
| Abstract of the results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of January 1889 ... ... ... ... ... | 241 |
| Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 27th January to 2nd February 1889 ... ... ... ... ... ... | 241 |
| Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 19th January 1889 ... | 242 |
| Circular and Eastern Canals for the week ending 2nd February 1889 ... ... ... ... ... ... ... | 245 |
| Naihati State Railway for the month of November 1888 ... | 246 |
| Weekly Return of Traffic Receipts on Indian Railways ... | 247 |


No. 18Mne., dated Calcutta, the 30th January 1889.

THE following report of the seventh quarterly inspection of the Dock Works at Kidderpore, which are being carried out by the Commissioners for making improvements in the Port of Calcutta, is published for general information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

*Under-Secy. to the Govt. of Bengal,*

*P. W. Dept.*

## QUARTERLY INSPECTION OF THE KIDDERPORE DOCK WORKS.

Dated Calcutta, the 28th January 1889.

From—MESSRS. H. CLOETE AND W. CONNAN,

To—The Secretary to the Government of Bengal, P. W. Dept.

WE have the honour to report that, in accordance with the instructions contained in the Government of Bengal's letter No. 103M., dated the 12th instant, we made the seventh quarterly inspection of the works at the Kidderpore docks, as shown in the progress report submitted by the Superintending Engineer of the docks on the 10th instant.

2. The index plan with tabular statement showing work done during the quarter under report, and the total quantity of work executed from the commencement of the docks, which have been prepared by the Superintending Engineer in charge of the works, are with Government.

PERMANENT WORKS.

*Sixty-feet Lock.*—About 3½ lakhs of excavation were taken out, and over 1½ lakhs masonry and 2,500 square feet of foundation were done during the quarter. The two end and centre sections of the lock have been built up to coping level. The founding of the intervening sections was well in hand on our inspection, and arrangements were being made for the erection of the gates.

*Eighty-feet Entrance.*—Over 6½ lakhs of excavation were taken out, and 56,300 cubic feet of masonry and 5,440 square feet of foundation were done during the quarter. The foundation of this work is now well in hand.

*Tidal Basin.*—Over 6¼ lakhs of excavation were taken out. Work on the quay walls was stopped, pending further progress on the eighty-feet and double entrances.

*Graving Dock.*—This work is now well in hand, and good progress may be expected. During the quarter over 9 lakhs of excavation were removed, and nearly 1⅓ lakhs of masonry and 7,840 square feet of foundation were done.

*Double Entrance.*—Over 5⅓ lakhs of excavation were taken out, and nearly 3 lakhs of masonry and 17,280 square feet of foundation were done. This work is now in good progress.

*Dock No.* 1.—Up to date about 75 per cent. of the total quay wall masonry has been completed, and about half the total excavation taken out. During the quarter 251 running feet foundation and 240,346 cubic feet masonry were done and 34 lakhs of excavation removed.

*Boat Canal.*—The piers and abutments for the road bridges were commenced, and good progress was made with them, and excavation for the foundations for the lift lock and syphon culvert was commenced.

*Expenditure.*—The total expenditure up to end of the quarter was reported to be Rs. 1,19,51,253, of which Rs. 93,83,903 were spent on account of works and Rs. 25,67,350 for land.

SANITARY.

The average number of work-people employed was 8,974, among whom there were 85 deaths (56 of these being from cholera), showing a death-rate of 35 82 per thousand per annum.

GENERAL REMARKS.

We are of opinion that fair progress has been made with the works, and that, so far as we have been able to judge from our inspection, the character of the work is satisfactory.

## Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government, during the week ending the 2nd February* 1889.

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---|---|---|---|
| | **BENGAL.** | | |
| | *Western Districts.* | | |
| Burdwan Divs. 1 | Burdwan Feb. 2, '89 | 0·36 | Weather—cool and seasonable. Standing crops doing well. Prospects fair. |
| | Culna ... | 0·73 | |
| | Cutwa ... | 0·60 | |
| | Raneegunge ... | 1·25 | |
| 2 | Bankoora „ 2, '89 | 0·55 | Weather—cold and cloudy. The rainfall on the night of Wednesday (30th January) has been much beneficial to the *rubbi* plants. Prices continue stationary. |
| 3 | Birbhum „ 2, '89 | 0·75 | Weather—seasonable. *Rubbi* prospects good. Sugarcane pressing has begun. |
| | Rampur Hât ... | 2·02 | |
| 4 | Midnapur „ 2, '89 | 1·67 | A storm of rain on the night of 28th January. The wind is now from the north and the weather is cooler. The rain will do some good to the *boro* crop. Harvesting of *rubbi* going on. |
| 5 | Hugli „ 2, '89 | 0·18 | Weather—warm for the time of year. *Rubbi* crops doing well. |
| | Serampur ... | 0·15 | |
| | Jehanabad ... | 0·68 | |
| | Howrah „ 4, '89 | 0·15 | Weather has become colder again. *Amun* reaped. Rain expected to do good to *boro* paddy. |
| | Ooloberiah ... | 0·42 | |
| | *Central Districts.* | | |
| 6 | 24-Perghs. Feb. 5, '89 | 0·72 | Weather—variable. Prospects of standing crops have somewhat improved since the recent rain. Pressing of sugarcane continues. |
| Presidency Divs. 7 | Nuddea „ 2, '89 | 1·07 | Weather—cool and cloudy with good rain on 30th. *Rubbi* crops on the whole very fair and reported to have greatly benefited by the rain. |
| | Kooshtea ... | 0·57 | |
| | Meherpur ... | 2·15 | |
| | Chooadanga ... | 0·94 | |
| | Ramghat ... | 1·72 | |
| 8 | Khoolna „ 2, '89 | 0·26 | Weather—cloudy and warmer during the early part of the week, since then cooler. *Amun* crop harvested. Cold weather crops doing well. |
| 9 | Jessore „ 2, '89 | 0·59 | Weather—seasonable and occasionally cloudy. The recent rainfall has been beneficial to the spring crops. Prospects of winter crops fair. |
| | Jhenidah ... | 0·65 | |
| | Magoora ... | 0·65 | |
| | Narail ... | 0·73 | |
| | Bongong ... | 0·15 | |
| 10 | Moorshedabad „ 2, '89 | 1·04 | Weather—a shower of rain with hail-stones on the night of the 29th January. The following day was rainy and cloudy. Cold and damp from the 31st. *Haimanti* harvesting is almost completed; outturn estimated to be 12·6 annas on the average. Prospects of *rubbi* good, but the hail-stones will injure linseed and gram to some extent. |
| | Lalbagh ... | 1·80 | |
| | Kandi ... | 0·58 | |
| | Jangipur ... | 2·15 | |
| Rajshahye Divs. 11 | Dinagepur „ 2, '89 | 2·36 | Weather—cold and cloudy. The rain will facilitate the preparation of lands for *bhadoi* and jute. Prospects of *rubbi* reported fair. Price of rice stationary. |
| | Thakurgaon ... | 2·47 | |
| 12 | Rajshahye „ 2, '89 | 1·27 | Weather—very cold. A severe hail storm in the Nowgong sub-division has done damage to houses and crops, especially to ganja crop. Rain has improved the prospects of the *rubbi* crops. Price of rice varies from 15 to 22½ seers per rupee. |
| | Nattore ... | 1·47 | |
| | Nowgong ... | 2·30 | |
| 13 | Rungpur „ 2, '89 | 2·49 | Weather—fine and bright, but unusually cold. The *rubbi* crops are doing well. The heavy rainfall of the 30th and 31st January has been of immense benefit. Ploughings are now in active progress for the rice and jute crops. |
| | Gaibanda ... | 1·16 | |
| | Nilphamari ... | 0·40 | |
| 14 | Bogra „ 2, '89 | 1·76 | Heavy rain on 30th and 31st January. Weather now cold and fine, with high winds. Rice harvest finished. The rain has done much good to the *rubbi* crops. Sugarcane is being cut. Price of rice stationary. |
| | Sherpore ... | 0·70 | |
| | Nowkhila ... | 1·19 | |
| 15 | Pubna „ 2, '89 | 0·53 | Weather—cloudy. *Rubbi* crops are likely to thrive from the little shower of rain. More rain is wanted. |
| | Serajgunge ... | 0·33 | |
| 16 | Darjeeling „ 2, '89 | 2·34 | Weather—wet, foggy and cold. The rain during the week has materially benefited the crops. |
| 17 | Julpigoree „ 2, '89 | 2·00 | Weather—cloudy and foggy with rain on the 30th and 31st January. Sugarcane pressing has commenced in places. Potatoes are being gathered. Yield may be estimated at 10 annas. Tobacco crop is said to have been injured in places by hail-stones. Prices stationary. |
| | *Eastern Districts.* | | |
| Dacca Divs. 18 | Dacca Feb. 2, '89 | 1·21 | Weather—cold and mostly fine. Mustard and pulses are being gathered. Cutting of sugarcane continues. Transplanting of *boro* paddy nearly completed. Recent rain has done much good to the standing crops. |
| | Manickgunge ... | 0·45 | |
| | Munshigunge ... | 0·45 | |
| | Naraingunge ... | 0·29 | |
| 19 | Furreedpur „ 2, '89 | 0·86 | The recent rain has done all that could possibly be desired. The prospects of the *rubbi* crops are now excellent. |
| 20 | Madaripur ... | 0·40 | Weather—hot for the time of the year. Prospects of crops fair. Harvesting of *amun* crop is still going on in some places. Outturn reported to be 12 annas. |
| | Backergunge Jan 31, '89 | 0·60 | |
| 21 | Mymensingh Feb. 1, '89 | 0·35 | Weather—chilly, rainy and cloudy. State and prospects of crops good. The recent rain has done good to the standing crops and will facilitate the work of ploughing. |
| | Netrokona .. | 0·13 | |
| Chittagong Divs. 22 | Chittagong „ 5, '89 | 0·59 | Weather—seasonable. Winter crops progressing, but rain wanted. Prices rising. |
| 23 | Noakholly „ 1, '89 | Nil | Weather—cloudy and rather warm for the season. State of the *rubbi* crops continues to be good. |
| 24 | Tipperah Jan. 31, '89 | Nil | Weather—hot and cloudy. Winter crops doing well. Rice is selling at from Rs. 2-6 to Rs. 2-8 per maund in the Sudder station. Rain is much wanted. |
| 25 | Chittagong Hill Tracts. „ 29, '89 | Nil | Weather—very cold. Foggy up to 9 A. M. in the morning. Tobacco and chillies progressing. Mustard is in flower and is forming seed. |
| | Hill Tipperah „ 31, '89 | Nil | Weather—cloudy and windy. Chillies and tobacco promising. No other important crops now in the fields. |

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---|---|---|---|
| **BEHAR.** | | | |
| PATNA DIVS. 26 | Patna Feb. 2, '89 | 1·76 | Weather—clear and cold. Prospects of *rubbi* and poppy continue favourable. Prices stationary. |
| | Dinapur ... | 1·23 | |
| | Behar ... | 1·82 | |
| | Barh ... | 2·44 | |
| 27 | Gya „ 2, '89 | 0·67 | Weather—seasonable but stormy. Harvesting of paddy almost completed. The rain of the week has benefited the *rubbi* crops of late sowings, but has damaged those in flower. Hail-stones have done injury to the poppy as well as to the *rubbi* crops. |
| 28 | Shahabad „ 2, '89 | 1·12 | Weather—stormy with showers. Prospects of *rubbi* crops improved by rain, though some further damage caused by hail-storm. Prices stationary. |
| | Buxar ... | 0·91 | |
| | Sasseram ... | 0·30 | Poppy crop promising. |
| | Bhabuah ... | 0·03 | |
| 29 | Durbhunga „ 2, '89 | 3·00 | Greater part of the week cloudy. Heavy rain on 30th and 31st. The rainfall of the week will do incalculable good to the *rubbi* crops. The people have set to work to sow *cheena*, *dhan* and *mung*. The rain has, however, done some injury to the *rahar* and tobacco crops. Prices of common rice range between 14 and 19 seers per rupee. |
| | Tajpur ... | 1·88 | |
| | Madhubani ... | 1·30 | |
| 30 | Muzufferpur „ 2, '89 | 2·79 | Weather—cloudy, wet and cold. The heavy rain has been most beneficial. Some, but not serious, damage has been done to *rahar*, tobacco and *rabi* crops in flower. In North Sitamarhi prospects have materially improved. The backward *rubbi* has been saved, and *cheena* and *mung* will now be sown. The land will be in excellent condition throughout the district for indigo sowing. |
| | Hajipur ... | 1·76 | |
| | Sitamarhi ... | 3·75 | |
| 31 | Sarun „ 2, '89 | 1·63 | Heavy rain throughout the district with hail in places on the 29th and 30th. Weather fine and cold since with strong west wind. *Rubbi* excellent. Some slight damage to peas and linseed. Poppy in Sewan a good deal damaged by hail. |
| | Sewan ... | 1·49 | |
| | Gopalgunge ... | 2·76 | |
| 32 | Chumparun „ 2, '89 | 2·61 | Weather—fair and chilly. The rainfall of the week has considerably benefited the standing crops, though slight damage is apprehended to wheat and barley where the fall has been excessive. Slight damage is also reported to young poppy by hail in places. Prospects, on the whole, much improved. |
| BHAGULPORE DIVS. 33 | Monghyr Feb. 2, '89 | 2·14 | Weather—bleak and cloudy throughout the week with occasional fogs at night and morning. Rain has been beneficial to the young *rubbi* crops, but somewhat injurious to all other standing crops which are in flower. |
| | Beguserai ... | 2·14 | |
| | Jamooe ... | 2·21 | |
| 34 | Bhagulpur „ 2, '89 | 1·61 | Weather—cloudy with rain and thunder storms for two days, since then bright and cold. The rain has on the whole greatly benefited the *rubbi* crops, but the hail in places has damaged those approaching maturity. In the north the *rubbi* is poor in the tract where the *bhadoi* and *aghani* failed, and mustard and wheat there will probably yield a six-anna outturn only, but prospects along the Kusi are better. Ploughing in progress. |
| | Soopool (up to 30th January 1889). | 1·28 | |
| | Madehpurah (up to 31st January 1889). | 3·96 | |
| 35 | Purneah Feb. 2, '89 | 2·43 | Weather—dry, cold and seasonable. The late rain has done much good to the standing crops which are now coming on nicely. |
| | Kishengunge ... | 1·98 | |
| | Arrareah ... | 2·19 | |
| 36 | Maldah „ 2, '89 | 3·29 | Weather—fair in the early part of the week; then cloudy and rainy. Heavy rain with hailstones on Wednesday night (30th). Hail has destroyed 8 annas of the *rubbi* crops in thana English Bazar and outpost Manickchuk, and also to some extent in thana Maldah. In other places rain has done much good. |
| | Shibgunge ... | 2·52 | |
| | Gajole ... | 2·50 | |
| 37 | Santhal Pergha. „ 26, '89 | 1·72 | Weather—cold. Heavy rain and hail have done some injury to the standing crops. Rain has, however, benefited the sugarcane and late wheat and barley crops. |
| | Deoghur ... | 1·41 | |
| | Godda ... | 3·45 | |
| | Jamtara ... | 0·72 | |
| | Pakur ... | 2·82 | |
| | Rajmahal ... | 1·76 | |
| **ORISSA.** | | | |
| ORISSA DIVS. 38 | Cuttack Feb. 1, '89 | Nil | Weather—fair and seasonable. *Sarad* rice being threshed. *Rubbi* crops being gathered. Price of rice stationary. |
| 39 | Pooree Jan. 31, '89 | Nil | Southerly high winds towards the close of the week. Threshing of winter rice (late *sarad*) going on. *Dalua* rice doing well. *Rabbi* crops promising. Rain wanted for ploughing. Common rice 17 seers 1 chittack per rupee in the Sudder sub-division and 17 seers 6 chittacks in the Khoorda sub-division. |
| 40 | Balasore Feb. 1, '89 | Nil | Weather—variable. Hardly any crops on ground, except some *dalua* rice in the |
| | Bhudruck ... | ¼ inch. | Bhudruck sub-division. |
| **CHOTA NAGPORE.** | | | |
| | ***South-West Frontier Agency.*** | | |
| CHOTA NAGPORE DIVS. 41 | Hazaribagh Feb 1, '89 | 0·36 | Weather—cloudy in the early part of the week; bright since. The little rain the 29th has slightly improved the prospects of the standing *rubbi* and poppy crops, and will facilitate ploughing for early paddy. Prices still show a slight tendency to rise. |
| 42 | Lohardugga „ 3, '89 | Nil | Weather—changeable in the beginning of the week; now bright and cold. |
| | Palamow ... | 0·35 | Rain in Palamow has benefited the *rubbi* crops to some extent. More rain wanted. Prices as before. |
| 43 | Singbhoom „ 1, '89 | 0·21 | Weather—cloudy and rather hot for some days during the week. Rain has fallen in various parts of the district. Prospect of *rubbi* crops has slightly improved. Price of paddy has risen to 1 maund 24 seers per rupee at some places within the jurisdiction of the Kaikapore outpost from 1 maund 30 seers during the previous week. At other places prices are stationary. |
| 44 | Manbhoom „ 2, '89 | 0·86 | Weather—seasonable. Sugarcane pressing still going on; probable outturn 12 annas. Probable outturn of oil-seeds 8 annas. New rice selling at |
| | Govindpur ... | 0·65 | 20 seers per rupee. |

Published for general information.

CALCUTTA; REVENUE DEPT.,
*The 5th February* 1889.

P. NOLAN,
*Secy. to the Govt. of Benga*

*...wing Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of October* 1888.

IMPORTS INTO CALCUTTA.

| ...ported. | FOOD-GRAINS. | | | | | | | FIBROUS PRODUCTS. | | OIL-SEEDS. | | | | | SUGAR. | | TOBACCO. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RICE AND PADDY. | | | Wheat. | Gram and pulses. | Other food-grains. | Total. | Jute, raw. | Gunny bags.† | Linseed. | Mustard seed. | Tea, Indian. | Cotton, raw. | Silk, raw. | Dressed. | Undressed. | Unmanufactured. | Manufactured. |
| | Rice. | Paddy. | Total (in rice). | | | | | | | | | | | | | | | |
| | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | No. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. |
| ... | 1,56,654 | 18,539 | 1,68,241 | 180 | 2,867 | 5 | 1,71,293 | 530 | 6,030 | 3,372 | ..... | 559 | ..... | 23 | ..... | 433 | 19 | 6 |
| ... | 21,604 | ..... | 21,604 | ..... | ..... | ..... | 21,604 | ..... | 4,165 | ..... | ..... | ..... | ..... | 302 | ..... | 5 | ... | ..... |
| ... | 1,90,514 | 19,850 | 2,02,920 | ..... | 8 | 593 | 2,03,521 | 75 | 800 | 2,550 | 487 | ..... | ..... | 283 | ..... | 715 | 11 | 4 |
| ... | 80,753 | 20,869 | 93,796 | 6,715 | 11,629 | ..... | 1,12,140 | 1,16,570 | 729,174 | 20,253 | 5,948 | ..... | 31 | 283 | ..... | 715 | 11 | 4 |
| ... | 1,57,144 | 24,394 | 1,72,391 | ..... | 22 | 2,035 | 1,74,448 | 3,33,283 | 218,630 | 36 | ..... | ..... | 146 | 20 | 455 | 22,449 | 4,092 | 214 |
| ... | 25,503 | 739 | 25,965 | 5,794 | 92,089 | ..... | 1,23,848 | 1,34,148 | 1,025 | 21,603 | 631 | ..... | 1,019 | ..... | 9,836 | 7,303 | 1,861 | 328 |
| ... | 34,505 | 29,175 | 52,739 | ..... | 56 | ..... | 52,795 | 1,60,616 | ..... | ..... | ..... | ..... | 140 | 74 | 442 | 464 | 216 | 785 |
| ... | 45,614 | 13,675 | 54,161 | ..... | 6,656 | 754 | 61,571 | 1,08,571 | ..... | 1,519 | ..... | ..... | ..... | ..... | ..... | 2,600 | ... | ..... |
| ... | 11,903 | ..... | 11,903 | 6,621 | 13,322 | ..... | 31,846 | 15,875 | ..... | 5,683 | ..... | ..... | ..... | 405 | 119 | 13,992 | 888 | 282 |
| ... | 69,064 | ..... | 69,064 | ..... | 735 | 21 | 69,820 | 31,167 | 177,935 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | ... | ..... |
| ... | 16,336 | ..... | 16,336 | 992 | 16,798 | ..... | 34,146 | 1,01,574 | 21,525 | 5,407 | ..... | ..... | ..... | 637 | ..... | ..... | ... | 3 |
| ... | 577 | ..... | 577 | 317 | ..... | ..... | 894 | 1,74,849 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ... | ..... |
| ... | 44,060 | ..... | 44,060 | ..... | ..... | ..... | 44,060 | 23,432 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ... | 19,194 |
| ... | 42,971 | ..... | 42,971 | 491 | 1,319 | ..... | 44,691 | 5,71,220 | 1,004,080 | 1,246 | 9,459 | ..... | ..... | ..... | ..... | ..... | ... | 6 |
| ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15,375 | 121,485 | ..... | ..... | ..... | 75 | ..... | ..... | ..... | 677 | 164 |
| ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 54,437 | 258,405 | ..... | ..... | 16,051 | ..... | ..... | ..... | ..... | ... | ..... |
| ... | 5,849 | ..... | 5,849 | 165 | 2,025 | ..... | 7,839 | 6,70,155 | 3,185 | ..... | 2,416 | 17,444 | ..... | ..... | ..... | ..... | ... | 826 |
| ... | 46,935 | 921 | 47,261 | 235 | 10,379 | ..... | 57,875 | 2,84,423 | 175 | 7,554 | 1,401 | 19 | 2,963 | ..... | ..... | ..... | ... | ..... |
| ... | 3,57,235 | 2,131 | 3,58,567 | ..... | 450 | ..... | 3,59,017 | 5,337 | 175 | ..... | ..... | 8 | 534 | 1,124 | ..... | ..... | ... | ..... |
| ... | 2,673 | ..... | 2,673 | ..... | 292 | ..... | 2,965 | 79,613 | ..... | ..... | 1,958 | ..... | 6 | ..... | ..... | ..... | ... | 23 |
| ... | 24,850 | ..... | 24,850 | ..... | ..... | ..... | 24,850 | 2,425 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15 | ..... |
| ... | 3,802 | ..... | 3,802 | ..... | ..... | ..... | 3,802 | 96 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ... | ..... |
| ... | 27,595 | 300 | 27,782 | 353 | 250 | ..... | 28,385 | 70 | ..... | ..... | ..... | 2,052 | 1,724 | ..... | ..... | ..... | ... | ..... |
| ...gal ... | 13,65,711 | 1,30,593 | 14,47,332 | 21,773 | 1,58,897 | 3,408 | 16,31,410 | 35,84,251 | 2,546,789 | 69,373 | 22,300 | 36,134 | 7,253 | 2,869 | 10,952 | 47,960 | 8,479 | 21,835 |
| ... | ..... | ..... | ..... | 28,840 | 30,440 | 8,234 | 67,514 | 87 | 1,855 | 1,76,149 | 3,897 | ..... | 323 | 6 | 673 | 595 | 1,185 | 789 |
| ... | ..... | ..... | ..... | 468 | ..... | ..... | 468 | ... .. | 1,575 | 2,990 | ..... | ..... | ..... | ..... | 410 | 200 | ... | 167 |
| ... | 759 | ..... | 759 | 27,185 | 4,184 | 398 | 32,526 | ..... | 35 | 26,421 | 1,719 | ..... | ..... | ..... | ..... | 1,273 | ... | ..... |
| ... | ..... | ..... | ..... | 535 | 2,798 | 714 | 4,047 | ..... | 140 | 6,051 | 2,368 | ..... | ..... | ..... | ..... | ..... | ... | ..... |
| ... | 1 | ..... | 1 | 1,000 | 3,464 | 303 | 4,768 | ... .. | 420 | 67,284 | 6,051 | ..... | ..... | ..... | ..... | 710 | 122 | 35 |
| ... | 611 | ..... | 611 | 15,262 | 4,497 | 2,416 | 22,786 | ..... | 70 | 23,050 | 4,934 | ..... | ..... | ..... | ..... | ..... | 13 | ..... |
| ... | 8 | ..... | 8 | ..... | ..... | 627 | 635 | ..... | ..... | 26,870 | 3,546 | ..... | ..... | ..... | ..... | ..... | ... | ..... |
| ... | 992 | ..... | 992 | 7,933 | 33,580 | 391 | 42,896 | 28 | 700 | 15,018 | 3,661 | ..... | ..... | ..... | ..... | ..... | ... | 3 |
| ... | 178 | ..... | 178 | 25,030 | 4,386 | 4,650 | 34,186 | 1,116 | 245 | 19,143 | 12,919 | ..... | ..... | 12 | ..... | ..... | ... | ... |
| ... | 3,603 | 16 | 3,613 | 3,308 | 7,535 | 163 | 14,639 | 5,213 | 105 | 4,751 | 5,485 | ..... | ..... | ..... | ..... | 60 | 1,348 | ..... |
| ...rgun- | 551 | ..... | 551 | 13,930 | 4,635 | 902 | 20,018 | 35,979 | 350 | 5,770 | 208 | ..... | ..... | ..... | ..... | ..... | 6 | ..... |
| ...ar ... | 6,695 | 16 | 6,705 | 1,37,583 | 1,06,535 | 21,457 | 2,72,280 | 42,423 | 665 | 8,058 | 1,396 | ..... | ..... | 129 | ..... | ..... | ... | ..... |
| ... | 28 | ..... | 28 | ..... | 284 | ..... | 312 | ..... | ..... | ..... | 300 | ..... | ..... | ..... | ..... | ..... | ... | ..... |
| ... | 34,193 | 589 | 34,561 | 1,769 | 745 | ..... | 37,075 | ..... | 3,500 | 106 | 144 | ..... | ..... | 9 | ..... | ..... | ... | ..... |
| ... | 34,221 | 589 | 34,589 | 1,769 | 1,029 | ..... | 37,387 | ..... | 3,500 | 106 | 444 | ..... | ..... | 9 | ..... | ..... | 386 | ..... |
| ORE. | ..... | ..... | ..... | ..... | 317 | ..... | 317 | ..... | 1,155 | ..... | ..... | 522 | ..... | 10 | ..... | ..... | ... | ..... |
| ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 630 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ... | ..... |
| ...hala | ..... | ..... | ..... | ..... | 317 | ..... | 317 | ..... | 1,785 | ..... | ..... | 522 | ..... | 10 | ..... | ..... | ... | ..... |
| ...of the ...der ...ati- ...en- | 14,06,627 | 1,31,198 | 14,88,626 | 1,61,125 | 2,66,778 | 24,865 | 19,41,394 | 36,26,674 | 2,558,234 | 4,30,954 | 68,928 | 36,655 | 7,576 | 3,035 | 12,035 | 50,798 | 11,537 | 22,829 |
| ...CES. | 3,555 | ..... | 3,555 | ..... | ..... | ..... | 3,555 | 4,332 | ..... | ..... | 12,682 | 1,21,271 | 70 | 14 | ..... | ..... | ... | ..... |
| Pro- ...ath. | 388 | ..... | 388 | 1,29,062 | 37,695 | 3,118 | 1,70,263 | 289 | ..... | 1,15,259 | 36,068 | 1,387 | 1,718 | 18 | 3,260 | 2,895 | 2 | 37 |
| ... | 2 | ..... | 2 | 4,050 | 16,576 | ..... | 20,628 | ..... | 1,540 | ..... | 471 | 1,329 | 993 | ..... | ..... | ..... | ... | 2 |
| ...ries ... | ..... | ..... | ..... | 602 | 597 | ..... | 1,199 | ..... | 300 | ..... | ..... | ..... | ..... | 2 | ..... | ..... | ... | ..... |
| ... | ..... | ..... | ..... | ..... | ..... | 2 | 2 | ..... | ..... | ..... | ..... | ..... | 24 | ..... | ..... | ..... | ... | ..... |
| ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5,200 | ..... | ..... | ..... | 18,778 | ..... | 2,900 | ..... | ... | ..... |
| ... | 16 | ..... | 16 | ..... | 12,737 | ..... | 12,737 | ... ... | 400 | ..... | ..... | ..... | ..... | ..... | 3,660 | ..... | ... | 4 |
| ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ... ... | 14,450 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 320 | 159 |
| ... | ..... | ..... | ..... | ..... | 16 | ..... | 16 | ..... | 3,150 | 5 | ..... | ..... | ..... | 8 | 38,617 | 75 | ... | 45 |
| 388 | 14,10,588 | 1,31,198 | 14,92,587 | 2,94,839 | 3,34,399 | 27,985 | 21,49,810 | 36,31,305 | 2,583,324 | 5,66,218 | 1,18,149 | 1,60,642 | 29,139 | 3,077 | 90,532 | 53,678 | 11,889 | 23,392 |
| 387 | 8,48,617 | 1,18,145 | 9,22,458 | 1,80,566 | 3,34,184 | 46,638 | 15,33,846 | 24,98,027 | 2,191,387 | 6,17,228 | 1,11,841 | 1,39,975 | 25,809 | 1,970 | 90,418 | 35,951 | 40,679 | |

* One maund of paddy is equivalent to 25 seers of rice. † Exclusive of bags obtained by local manufacture.

*The Sea-borne Trade of Calcutta in these Staples during the month of October* 1888 *was as follows :—*

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | 4,91,052 | 30 | 4,91,071 | 674 | 17,361 | 200 | 5,09,306 | ..... | 2,044,800 | ..... | ..... | 654 | ..... | 9 | 1,489 | ..... | ... | 4 |
| ... | 3,404 | ..... | 3,404 | ..... | 20,230 | 1,974 | 25,608 | ..... | 13,200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ... | ..... |
| ... | 77,226 | 3,067 | 79,213 | 191 | 6,370 | ..... | 85,684 | 8,785 | 101,600 | ..... | ..... | 5 | ..... | 342 | ..... | ..... | ... | ..... |
| ... | 19,810 | ... .. | 19,810 | 4,224 | 24,659 | 3,362 | 52,055 | 48 | 270,650 | ..... | ..... | 3 | ..... | 10 | ..... | ..... | ... | ..... |
| ... | 1,724 | ..... | 1,724 | 3 | 773 | ..... | 2,500 | ..... | 211,200 | ..... | ..... | 46 | ..... | 9 | ..... | ..... | ... | ..... |
| ... | ... | ..... | ..... | ..... | 101 | ..... | 101 | ..... | 129,135 | ..... | ..... | 1 | ..... | 6 | 837 | 395 | 12,163 | 15 |
| | | | | | | | | | 40,500 | ..... | ..... | ..... | ..... | ..... | ..... | 14 | 953 | 234 |
| | 5,33,286 | 3,097 | 5,36,383 | 5,092 | 69,494 | 5,536 | 6,75,254 | 8,833 | 2,811,085 | ..... | ..... | 709 | ..... | 376 | 2,326 | 409 | 14,216 | 345 |
| | 33,654 | ..... | 33,654 | 2,07,111 | 18,674 | ..... | 2,59,439 | 14,59,760 | 926,000 | 4,95,734 | 2,726 | 36,277 | 2,189 | 127 | ..... | ..... | ... | 18 |
| | 6,39,636 | 11,394 | 6,46,757 | 1,06,749 | 37,828 | 7,191 | 7,98,525 | 4,53,316 | 9,533,000 | 2,60,752 | 54 | 127,007 | 3,404 | 1,144 | 275 | ..... | 8,829 | 174 |
| | 6,73,290 | 11,394 | 6,80,411 | 3,13,860 | 56,502 | 7,191 | 10,57,964 | 18,83,076 | 10,459,000 | 7,56,486 | 2,780 | 163,284 | 5,593 | 1,271 | 275 | ..... | 8,829 | 191 |
| | 12,06,376 | 14,491 | 12,75,633 | 3,18,862 | 1,25,996 | 12,787 | 17,33,218 | 18,91,909 | 13,270,085 | 7,56,486 | 2,780 | 1,63,993 | 5,593 | 1,647 | 2,601 | 409 | 23,045 | 430 |
| | 8,92,845 | 1,606 | 8,93,849 | 1,40,530 | 1,99,847 | 4,770 | 12,39,296 | 15,92,147 | 10,894,509 | 6,32,943 | 6,036 | 1,39,201 | 3,353 | 902 | 3,738 | 243 | 16,672 | |

*The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of October* 1888.

## IMPORTS INTO CALCUTTA.

| SPECIFICATION OF ROUTES. | FOOD-GRAINS. | | | | | FIBROUS PRODUCTS. | | OILSEEDS. | | Tea, Indian. | Cotton, raw. | Silk, raw. | SUGAR. | | Tob |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rice. | Paddy. | Wheat. | Gram and pulses. | Other food-grains. | Jute, raw. | Gunny-bags. | Linseed. | Mustard seed. | | | | Drained. | Undrained. | Unmanufactured. |
| | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | No. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. |
| By country boats ... | 10,25,937 | 1,03,278 | 79,249 | 1,43,696 | 10,114 | 10,85,766 | 960,464 | 1,07,276 | 44,884 | ..... | 2,541 | 178 | 11,993 | 38,506 | 7,703 |
| ,, river steamers ... | 55,611 | 93 | 770 | 635 | ... | 5,52,552 | ..... | * 2,136 | 13,769 | 1,18,400 | 1,112 | 272 | 296 | 1 | 178 |
| ,, rail { East Indian Railway. | 1,26,285 | 24,188 | 2,12,459 | 1,12,389 | 17,005 | ..... | 22,505 | 4,33,786 | 56,126 | 3,797 | 2,941 | 844 | 939 | 5,814 | 222 |
| ,, rail { Eastern Bengal State Railway. | 1,29,614 | 727 | 592 | 64,175 | 866 | 17,56,656 | 1,542,905 | 22,873 | 3,226 | 36,293 | 2,363 | 1,766 | ..... | 8,084 | ... |
| ,, road ... ... ... | 36,345 | 2,728 | ..... | 16 | ..... | 2,36,295 | 30,751 | 36 | ..... | ..... | ..... | ..... | 2,047 | 1,204 | 2,984 |
| ,, sea ... ... ... | 36,796 | 184 | 1,769 | 13,498 | ..... | 96 | 26,700 | 111 | 144 | 2,052 | 20,202 | 17 | 45,237 | 75 | 736 |
| Grand total of Imports in October ... 1888 ... | 14,10,588 | 1,31,198 | 2,94,839 | 3,34,399 | 27,985 | 36,31,365 | 2,583,324 | 5,66,218 | 1,18,149 | 1,60,642 | 29,159 | 3,077 | 60,532 | 53,678 | 11,888 |
| Grand total of Imports in October ... 1887 ... | 8,48,617 | 1,18,145 | 1,80,566 | 3,84,184 | 46,638 | 24,98,027 | 2,191,387 | 6,17,228 | 1,11,841 | 1,39,975 | 25,609 | 1,970 | 90,418 | 35,931 | 40,671 |

*The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of October* 1888.

## EXPORTS FROM CALCUTTA.

| Whither exported. | Cotton piece-goods. | | Cotton twist. | | Salt. | Gunny-bags. |
|---|---|---|---|---|---|---|
| | European. | Indian. | European. | Indian. | | |
| | Rs. | Rs. | Mds. | Mds. | Mds. | No. |
| BENGAL. | | | | | | |
| Burdwan ... | 2,78,189 | 220 | 423 | 573 | 15,591 | 1,23,194 |
| Beerbhoom ... | 72,324 | 1,210 | 116 | 444 | 11,653 | 45,535 |
| Midnapore ... | 2,27,414 | ..... | 3,419 | ..... | 35,735 | 21,700 |
| Hooghly ... | 1,06,802 | 6,450 | 758 | 96 | 1,793 | 87,315 |
| 24-Pergunnahs ... | 1,38,974 | 8,412 | 586 | ..... | 9,551 | 5,450 |
| Nuddea ... | 3,90,831 | 441 | 2,504 | ..... | 18,594 | 67,654 |
| Khulna ... | 62,807 | ..... | 155 | ..... | 3,625 | 70 |
| Jessore ... | 1,54,456 | ..... | 948 | ..... | 22,468 | 2,195 |
| Moorshedabad ... | 90,542 | 669 | 46 | ..... | 13,203 | 12,595 |
| Dinagepore ... | 1,44,522 | ..... | 202 | 40 | 6,110 | 9,170 |
| Rajshahye ... | 2,67,647 | ..... | 62 | 49 | 20,994 | 17,100 |
| Rungpore ... | 3,51,477 | ..... | 306 | 50 | 13,112 | 1,295 |
| Bogra ... | 2,04,759 | ..... | 66 | 14 | 3,960 | 19,230 |
| Pubna ... | 3,20,506 | ..... | 543 | 17 | 40,761 | 455 |
| Darjeeling ... | 1,13,778 | ..... | 74 | 19 | 5,307 | 175 |
| Julpigoree ... | 1,13,652 | ..... | 20 | ..... | 4,022 | ..... |
| Dacca ... | 7,58,297 | ..... | 1,102 | 598 | 33,590 | 8,640 |
| Furreedpore ... | 4,61,595 | 63 | 1,677 | ..... | 35,702 | 7,105 |
| Backergunge ... | 1,24,121 | ..... | 2,372 | ..... | 27,405 | 560 |
| Mymensingh ... | 1,65,249 | ..... | 92 | ..... | 16,700 | 350 |
| Tipperah ... | ..... | ..... | ..... | ..... | 8,690 | ..... |
| Chittagong ... | 89,337 | ..... | 75 | 10 | 450 | 68,550 |
| Noakholly ... | ..... | ..... | ..... | ..... | 3,575 | ..... |
| Total of Bengal... | 46,22,150 | 17,456 | 15,536 | 1,910 | 3,51,621 | 498,358 |
| BEHAR. | | | | | | |
| Patna ... | 4,35,456 | 440 | 237 | 368 | 41,831 | 108,130 |
| Gya ... | 1,17,873 | 300 | 29 | 496 | 11,386 | 840 |
| Shahabad ... | 2,39,967 | ..... | 11 | 592 | 13,485 | 124,180 |
| Mozufferpore ... | 1,22,976 | ..... | ..... | 67 | 3,831 | 2,905 |
| Durbhunga ... | 4,49,883 | ..... | 13 | 899 | 28,429 | 64,680 |
| Sarun ... | 3,44,799 | 600 | 5 | 18 | 8,662 | 15,310 |
| Chumparun ... | 4,53,726 | 110 | 33 | 67 | 7,722 | 22,260 |
| Monghyr ... | 88,641 | 550 | 11 | 338 | 5,066 | 22,760 |
| Bhagulpore ... | 1,19,097 | 9,240 | 24 | 423 | 15,436 | 29,755 |
| Purneah ... | 1,50,318 | 1,760 | 225 | 936 | 14,564 | 2,485 |
| Maldah ... | ..... | ..... | ..... | ..... | 7,930 | 1,550 |
| Southal Pergunnahs ... | 2,03,868 | 5,610 | 134 | 618 | 22,863 | 26,215 |
| Total of Behar ... | 27,26,514 | 18,700 | 752 | 4,762 | 1,84,205 | 421,070 |
| ORISSA. | | | | | | |
| Cuttack ... | ..... | ..... | ..... | ..... | ..... | 2,500 |
| Balasore ... | 1,56,980 | ..... | 4,491 | 24 | 2,071 | 58,085 |
| Total of Orissa ... | 1,56,980 | ..... | 4,491 | 24 | 2,071 | 60,585 |

| Whither exported. | Cotton piece-goods. | | Cotton twist. | | Salt. | Gunny-b |
|---|---|---|---|---|---|---|
| | Europe-an. | Indian. | Europe-an. | Indian. | | |
| | Rs. | Rs. | Mds. | Mds. | Mds. | No. |
| CHOTA NAGPORE. | | | | | | |
| Hazaribagh ... ... ... | 39,816 | 550 | ..... | 78 | 5,396 | |
| Manbhoom ... ... ... | 44,730 | 7,040 | 78 | 1,313 | 9,523 | 1,2 |
| Total of Chota Nagpore ... | 84,546 | 7,590 | 78 | 1,391 | 14,918 | 1,5 |
| Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ... | 75,90,190 | 43,746 | 20,857 | 8,087 | 5,52,815 | 562 |
| OTHER PROVINCES. | | | | | | |
| Assam ... ... ... ... | 3,09,456 | ..... | 108 | 231 | 57,248 | ... |
| North-Western Provinces and Oudh ... ... ... | 26,92,368 | 5,720 | 2,788 | 390 | 23,681 | 89,6 |
| Punjab ... ... ... ... | 16,22,754 | 7,370 | 980 | 14 | ..... | 36,0 |
| Central Provinces ... ... | 41,895 | ..... | 163 | 70 | ..... | 5,1 |
| Rajputana States ... ... | 38,934 | 110 | 140 | ..... | ..... | 6,2 |
| Berar ... ... ... ... | 189 | ..... | ..... | ..... | ..... | ... |
| Nizam's Territory ... ... | 126 | ..... | ..... | ..... | ..... | ... |
| Bombay ... ... ... | 689 | ..... | ..... | ..... | ..... | 2,68 |
| Madras ... ... ... ... | 47,055 | ..... | 459 | 77 | ... | 37 |
| Pondicherry ... ... ... | ..... | ..... | ..... | ..... | ..... | ... |
| Burmah ... ... ... ... | 2,79,733 | ..... | 471 | 1,135 | ..... | 21,1 |
| Sind ... ... ... ... | ..... | 110 | ..... | ..... | ..... | ... |
| Other places ... ... ... | 18,096 | 6,314 | 28 | 3,500 | 54 | 10,45 |
| Grand Total of Exports in October ... 1888 ... | 1,26,41,485 | 63,370 | 25,974 | 13,504 | 6,33,798 | 14,57 |
| Grand Total of Exports in October ... 1887 ... | 1,30,50,857 | 53,999 | 27,398 | 11,474 | 6,13,682 | 11,99 |

*The Sea-borne Trade of Calcutta in these Staples during the month of October* 1888 *was as follows:—*

| IMPORTED INTO CALCUTTA— | Rs.* | Rs. | Mds. | Mds. | Mds. | No. |
|---|---|---|---|---|---|---|
| From Foreign Ports— | | | | | | |
| United Kingdom ... ... | 1,26,31,925 | ..... | 13,927 | ... .. | 4,44,964 | ... |
| Other Foreign ports ... | 23,472 | ..... | 388 | ..... | 1,40,177 | 2,1 |
| Total of Foreign Trade ... | 1,26,55,397 | ..... | 14,315 | ..... | 5,85,141 | 2,1 |
| From Indian Ports— | | | | | | |
| Bombay ... ... ... | 21,180 | 2,80,191 | ..... | 7,817 | 69,989 | 1,0 |
| Madras ... ... ... | 2,100 | 11,738 | ..... | 530 | ..... | ... |
| Other ports in Madras ... | 300 | 507 | ..... | ..... | ..... | 1 |
| Burmah ... ... ... | 5,360 | 560 | 4 | 231 | ..... | 14 |
| Other Indian ports ... | ..... | ..... | ..... | ..... | ..... | 3 |
| Total of Interportal Trade ... | 28,940 | 1,92,996 | 4 | 8,578 | 39,989 | 1,2 |
| Grand Total of Imports in October ... 1888 ... | 1,26,84,337 | 1,92,996 | 14,319 | 8,578 | 6,25,130 | 3,4 |
| Grand Total of Imports in October ... 1887 ... | 99,07,580 | 1,20,667 | 15,462 | 7,584 | 9,70,788 | 4,2 |

* As per tariff declaration value.

*The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported Calcutta during the month of October* 1888.

| SPECIFICATION OF ROUTES. | COTTON PIECE-GOODS. | | COTTON TWIST. | | Salt. | Gunny-ba |
|---|---|---|---|---|---|---|
| | European. | Indian. | European. | Indian. | | |
| | Rs. | Rs. | Mds. | Mds. | Mds. | No. |
| By country boats ... ... ... ... ... ... ... | 1,75,385 | 6,600 | 3,609 | ..... | 3,10,175 | 12,3 |
| ,, river steamers ... ... ... ... ... ... | 6,47,972 | ..... | 1,352 | 687 | 28,173 | 1,21,2 |
| ,, rail ... { East Indian Railway ... ... ... | 75,68,442 | 41,690 | 5,440 | 7,674 | 2,29,952 | 11,1 |
| ,, rail ... { Eastern Bengal State Railway ... ... | 34,99,272 | 504 | 9,547 | 331 | 60,691 | 2,0 |
| ,, road ... ... ... ... ... ... ... | 1,58,713 | 8,262 | 554 | 69 | 3,832 | 13,270 |
| ,, sea ... ... ... ... ... ... ... | 5,91,701 | 6,314 | 5,472 | 4,746 | 1,085 | ... |
| Grand Total of Exports in October ... 1888 ... | 1,26,41,485 | 63,370 | 25,994 | 13,504 | 6,33,798 | 14,57 |
| Grand Total of Exports in October ... 1887 ... | 1,30,50,857 | 53,999 | 27,398 | 11,474 | 6,13,682 | 11,99 |

STATISTICAL DEPARTMENT,
*The 2nd February* 1889.

P. NOLAN,
*Secretary to the Govt. of Beng*

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 31ST JANUARY 1899.

## *PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the*

QUANTITIES PER RUPEE IN

| Number. | DISTRICTS. | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | | JOWAR OR CHOLUM. (*Sorghum Vulgare.*) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | BENGAL. | | | | | | | | | | | | | | | |
| | *Western Districts.* | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| 1 | Burdwan | 12 4 | 13 4 | 15 0 | 37 8 | ... | ... | 15 12 | 16 8 | 15 0 | 18 0 | 18 12 | 22 8 | ... | ... | ... |
| 2 | Bankoora | 12 4 | 12 4 | 13 0 | 14 8 | 14 8 | 18 0 | 17 8 | 16 4 | 18 8 | 21 0 | 20 8 | 19 3½ | . | . | ... |
| 3 | Beerbhoom* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4 | Midnapore | 13 5 | 13 5 | 15 0 | 40 0 | 40 0 | ... | 15 0 | 14 0 | 18 0 | 20 0 | 20 0 | 22 0 | ... | ... | ... |
| 5 | Hooghly | 13 0 | 13 0 | 14 0 | ... | ... | ... | 10 0 | 10 0 | 10 0 | 13 0 | 13 0 | 16 0 | ... | ... | ... |
| | Howrah | Not available. | | | ... | ... | ... | 12 0 | 12 0 | 13 12 | 14 8 | 17 12 | 19 8 | . | ... | ... |
| | *Central Districts.* | | | | | | | | | | | | | | | |
| | Calcutta ... | 12 9 | 12 13 | 13 1 | 15 11 | 16 0 | 22 13 | 9 10 | 9 13 | 10 7 | 14 14 | 14 11 | 16 13 | 17 8 | 17 12 | 15 |
| 6 | 24-Pergunnahs* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 7 | Nuddea | 13 14 | 14 | 16 0 | 22 14 | 22 14 | 32 0 | 12 5 | 12 5 | 14 8 | 17 1½ | 17 10 | 18 3 | ... | ... | ... |
| 8 | Khoolna ... | ... | . | ... | ... | ... | ... | 14 4 | 16 0 | 18 0 | 16 0 | 18 0 | 21 8 | ... | ... | ... |
| 9 | Jessore | 12 0 | 11 12 | 13 4 | ... | ... | ... | 14 0 | 13 4 | 18 0 | 17 0 | 17 0 | 22 0 | ... | | - |
| 10 | Moorshedabad | 13 5 | 13 8 | 16 0 | .. | . | ... | 13 5 | 13 8 | 16 0 | 17 0 | 18 0 | 22 0 | ... | . | - |
| 11 | Dinagepore | 12 0 | 12 0 | 15 4 | 12 0 | 12 0 | 22 8 | 14 6 | 16 0 | 19 0 | 17 1 | 19 3 | 25 0 | ... | .. | ... |
| 12 | Rajshahye .. | 12 0 | 16 8 | 17 4 | 26 4 | 26 4 | 45 0 | 13 8 | 15 0 | 16 8 | 15 0 | 16 8 | 21 0 | ... | .. | ... |
| 13 | Rungpore | 12 4 | 12 4 | 14 8 | .. | . | ... | 10 8 | 10 8 | 14 4 | 16 12 | 16 0 | 22 12 | ... | ... | ... |
| 14 | Bogra | 7 14 | 9 15 | 16 8 | ... | ... | ... | 12 0 | 13 8 | 15 0 | 18 12 | 18 12 | 26 4 | .. | ... | ... |
| 15 | Pubna | 16 8 | 15 0 | 19 8 | .. | | .. | 7 12 | 8 0 | 8 4 | 18 0 | 17 [illegible] | 22 8 | | . | ... |
| 16 | Darjeeling | 10 0 | 10 0 | 10 0 | 10 0 | 10 0 | 11 0 | 5 0 | 5 0 | 5 0 | 13 0 | 12 0 | 12 0 | . | ... | ... |
| 17 | Julpigoree | 10 0 | 10 0 | 13 4 | 16 0 | 16 0 | 20 0 | 8 0 | 8 0 | 12 0 | 18 0 | 19 0 | 20 0 | . | . | ... |
| | *Eastern Districts.* | | | | | | | | | | | | | | | |
| 18 | Dacca* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 19 | Furreedpore ... | ... | 8 0 | 18 0 | 18 0 | 18 0 | 40 0 | 8 0 | 10 0 | 16 0 | 16 0 | 16 .. | 21 0 | ... | ... | ... |
| 20 | Backergunge*... | .. | .. | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 21 | Mymensingh ... | 9 0 | 8 12 | 12 0 | .. | ... | ... | 12 0 | 12 0 | 12 0 | 19 0 | 20 0 | 18 8 | ... | ... | ... |

* Price-current return not received.

A In sub-divisions retail prices of salt per rupee are :—Cuma 10 seers, Cutwa 9 seers 15 chittacks, and Ranegunge 10½ seers.
B In sub-divisions retail prices of salt per rupee are :—Ghatal 10½ seers, Contai 10½ seers.
C At Jehanabad retail price of salt 10 seers per rupee.
D In sub-divisions retail prices of salt per rupee are :—Kooshtea, Chooadanga, and Ranaghat 10 seers, and Meherpore 10½ seers.
E In sub-divisions retail prices of salt per rupee are :—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.
F In sub divisions retail prices of salt per rupee are :—Jhenida 9 seers, Magura and Bongong 10 seers, and Narail 7½ seers.

OF 80 TOLAHS.

| | Gram, Chana, Chhola, Kadalat or Sunaga. (*Cicer arietinum.*) | Kangni or Kakun, Italian Millet. (*Setaria italica.*) | Marua or Ragi, (*Eleusine Coracana.*) | Gram, Chana, Chhola, Kadalat or Sunaga. (*Cicer arietinum.*) | Kangni or Kakun, Italian Millet. (*Setaria italica.*) | Marua or Ragi, (*Eleusine Coracana.*) |
|---|---|---|---|---|---|---|
| Next preceding return. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Corresponding return of last year. | 15 8 | 13 0 | 14 0 | 16 0 | 11 8 | 14 0 |
| Present return. | 15 8 | 13 0 | 14 0 | 17 0 | 14 8 | 15 0 |
| Next preceding return | 20 0 | 20 0 | 15 0 | 19 0 | 17 8 | 16 0 |
| Corresponding return of last year. | 20 0 | ... | ... | ... | ... | ... |
| Present return. | 20 4 | 22 8 | 16 0 | 19 0 | 17 8 | 16 0 |
| Next preceding return. | 21 0 | 16 0 | 16 0 | 19 0 | 17 8 | 16 0 |
| Corresponding return of last year. | 15 0 | 15 0 | 16 0 | 19 0 | 17 8 | 16 0 

| Present return. | Indian-corn or Maize (*Zea Mays.*) | | Arhar or thur. Cadjan Pea. (*Cajanus indicus.*) | | Firewood. | | Straw. | | Grass. | | Cotton. | | Sugarcane. | | Tobacco. | | Vegetables. | | Fruits. | | Ghee. | | Oil. | | Salt. | | Milk. | | Sheep. | | Goats. | | Fowls. | | Ducks. | | Pigs. | | Eggs. | | Fish. | | Honey. | | Wax. | | Cocoanuts. | | Betel-leaf. | | Betel-nut. | | Jaggery. | | Coir. | | Mats. | | Cloth. | | Tiles. | | Bricks. | | Lime. | | Charcoal. | | Timber. | | Bamboos. | | Canes. | | Leaves. | | Thatch. | | Grain. | | Pulse. | | Rice. | | Paddy. | | Cattle. | | Buffaloes. | | Carts. | | Ploughs. | | Mammoties. | | Axes. | | Knives. | | Baskets. | | Pots. | | Pans. | | Cooking-pots. | | Earthenware. | | Iron. | | Copper. | | Brass. | | Gold. | | Silver. | | Jewellery. | | Labour. | | Rent. | | Miscellaneous. | | Total. | |
|---|---|---

*Head-quarter Station Bazars of the Districts of Bengal on the 31st June 1889.*

| SALT. | | | WHOLESALE PRICES PER MAUND OF 40 SEERS. SALT. | | | AVERAGE WAGES PER MONTH. ABLE-BODIED AGRICULTURAL LABOURER. | | | SYCE OR HORSE-KEEPER. | | | COMMON MASON, CARPENTER, OR BLACKSMITH. | | | DISTRICTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| | | | | | | | | | | | | | | | BENGAL. |
| | | | | | | | | | | | | | | | *Western Districts.* |
| Ch. S. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | |
| A 10 7¼ | 10 7¼ | 11 7 | 3 11 0 | 3 11 3 | 3 8 0 | 8 0 | 8 0 | 8 0 | 6 8 | 6 8 | 6 8 | 10 0 to 15 0 | 10 0 to 15 0 | 10 0 to 15 0 | Burdwan. |
| 10 0 | 10 0 | 11 0 | 3 14 0 | 3 14 0 | 3 8 0 | 6 0 to 10 0 | 5 0 to 9 0 | 5 0 to 9 0 | 5 0 to 8 0 | 4 0 to 7 8 | 4 0 to 7 8 | 8 0 to 15 0 | 7 0 to 15 0 | 7 0 to 15 0 | Bankoora. |
| ... | ... | ... | ... | ... | ... | 5 0 | 6 0 | 4 0 to 6 0 | 6 0 | 6 0 | 5 0 | 12 0 | 7 8 to 10 0 | 7 8 to 10 0 | Beerbhoom. |
| B 10 4 | 10 4 | 13 0 | 3 14 0 | 3 14 0 | 3 0 0 | 6 0 | 6 0 | 6 0 | 5 0 | 5 0 to 6 0 | 5 0 | 7 8 to 12 0 | 7 8 to 11 4 | 7 8 to 10 0 | Midnapore. |
| C 9 0 | 9 0 | 10 8 | 4 6 0 | 4 6 0 | 2 15 0 | 9 12½ | 9 13½ | 10 0 | 5 0 to 6 0 | 5 0 | 6 0 to 7 0 | 8 0 to 30 0 | 15 0 to 25 0 | 12 0 to 25 0 | Hooghly. |
| 10 8 | 10 8 | 10 10 | 3 10 6 | 3 9 0 | 3 7 0 | 7 8 to 15 0 | 7 8 to 15 0 | 7 8 to 15 0 | 7 0 | 7 0 | 7 0 | 12 0 to 25 0 | 12 0 to 25 0 | 12 0 to 25 0 | Howrah. |
| | | | | | | (Cooly). | | | | | | | | | *Central Districts.* |
| 10 5 | 10 5 | 11 9 | 3 10 2 | 3 10 0 | 3 1 9 | 8 0 to 15 0 (Agri. labourer). 5 0 | 8 8 to 15 0 6 0 | 12 0 to 20 0 ... | 6 0 | 7 0 | 7 0 | 15 0 | 15 0 to 20 0 | 15 0 to 20 0 | Calcutta. |
| ... | ... | ... | ... | ... | ... | 9 0 to 10 0 | 10 0 | 10 8 | 6 0 | 8 0 to 9 0 | 6 0 | 15 0 to 22 0 | 15 0 to 25 0 | 15 0 to 20 0 | 24-Pergunnahs. |
| D 9 2 | 9 2 | 9 2 | 3 14 0 | 3 14 0 | 3 12 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 7 8 to 15 0 | 7 8 to 15 0 | 7 8 to 15 0 | Nuddea. |
| E 9 4 | 10 0 | 9 0 | 4 0 0 | 3 14 0 | 3 12 0 | 7 8 to 9 6 | 7 8 to 9 6 | 9 0 to 15 0 | 7 0 to 8 0 | 7 0 to 8 0 | 6 0 to 8 0 | 15 0 to 30 0 | 15 0 to 30 0 | 10 0 to 16 0 | Khoolna. |
| F 9 2 | ... | 9 2 | 4 0 0 | 4 0 0 | 3 12 0 | 5 0 to 7 8 | 5 0 to 7 8 | 7 8 | 4 0 to 6 0 | 4 0 to 6 0 | 6 0 to 7 0 | 10 0 to 15 0 | 10 0 to 15 0 | 15 0 | Jessore. |
| G 10 8 | 10 8 | 10 8 | 3 12 0 | 3 12 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | Moorshedabad. |
| I 9 9 | 9 9 | 9 9 | 4 0 0 | 4 0 0 | 3 13 4 | 7 8 | 7 8 | 7 8 | 6 0 to 8 0 | 6 0 to 8 0 | 6 0 to 8 0 | 10 0 to 15 0 | 10 0 to 15 0 | 10 0 to 15 0 | Dinagepore. |
| J 9 6 | ... | 10 12 | 4 4 0 | 4 4 0 | 3 12 0 | 5 0 to 6 0 | 5 0 to 6 0 | 5 0 to 6 0 | 4 0 to 6 0 | 5 0 to 6 0 | 5 0 to 6 0 | 8 0 to 16 0 | 8 0 to 14 0 | 8 0 to 14 0 | Rajshahye. |
| 9 0 | 9 0 | 9 12 | 4 2 8 | 4 5 4 | 3 10 8 | 7 8 | 7 8 | 7 8 | 6 0 to 7 0 | 6 0 to 7 0 | 6 0 to 7 0 | 12 0 to 15 0 | 8 0 to 20 0 | 12 0 to 15 0 | Rungpore. |
| K 9 9 | 9 10 | 10 0 | 3 15 0 | 3 15 0 | 4 0 0 | 7 0 to 7 8 | 6 0 to 7 8 | 7 0 to 7 8 | 5 0 to 7 8 | 5 0 to 7 0 | 5 0 to 7 8 | 12 0 to 22 0 | 10 0 to 20 0 | 10 0 to 22 0 | Bogra. |
| L 7 0 | ... | 9 0 | 5 0 0 | 5 0 0 | 4 4 0 | 5 0 to 7 0 | 5 0 to 7 0 | 6 0 to 7 8 | 6 0 to 10 0 | 6 0 to 10 0 | 6 0 to 10 0 | 8 0 to 20 0 | 8 0 to 20 0 | 12 0 to 20 0 | Pubna. |
| M 9 0 | 9 0 | 9 0 | 4 4 0 | 4 4 0 | 4 0 0 | 7 8 | 7 8 | 6 0 | 9 0 | 7 0 | 7 0 | 20 0 | 15 0 to 16 0 | 12 0 to 16 0 | Darjeeling. |
| | | | | | | | | | | | | | | | Julpigoree. |
| | | | | | | | | | | | | | | | *Eastern Districts.* |
| ... | ... | ... | ... | ... | ... | 6 0 to 8 0 | 6 0 to 8 0 | 6 0 to 8 0 | 8 0 to 15 0 | 8 0 to 15 0 | 0 to 8 0 | 8 0 to 20 0 | 8 0 to 20 0 | 8 0 to 20 0 | Dacca. |
| 9 0 | ... | 12 0 | 4 0 0 | 4 0 0 | 3 1 0 | 7 8 | 7 8 | 7 8 | 8 0 | 7 0 | 7 0 | 10 0 to 15 0 | 10 0 to 15 0 | 12 0 to 15 0 | Furreedpore. |
| ... | ... | ... | ... | ... | ... | 7 8 | 7 8 | 8 0 | 6 0 | 6 0 | 6 0 | 10 0 to 15 0 | 12 0 to 15 0 | 12 0 to 15 0 | Backergunge. |
| N 9 10 | 9 10 | 10 8 | 4 2 0 | 4 2 0 | 3 10 0 | 7 0 to 10 0 | 7 0 to 10 0 | 7 0 to 10 0 | 6 0 to 7 0 | 6 0 to 7 0 | 6 0 to 7 0 | 12 0 to 30 0 | 12 0 to 30 0 | 12 0 to 30 0 | Mymensingh. |

G In sub-divisions retail prices of salt per rupee are :—Lalbagh 9⅓ seers, Kandi 9 seers 2 chittack, and Jungipore 10 seers.
I In sub-divisions retail prices of salt per rupee are :—Nattore 9½ seers and Nowgong 8 seers 11 chittacks.
J In sub-divisions retail prices of salt per rupee are :—Gaibanda 7½ seers, Kurigram 9 seers.
K At Seraigunge retail price of salt 10½ seers per rupee.
L At Silliguri and Kurseong retail price of salt 8 seers per rupee.
M At Fallacutta in the Alipore sub-division retail price of salt 8 seers per rupee.
N In sub-divisions retail prices of salt per rupee are :—Kishoregunge and Nekrokona 8 seers, Attea 10 seers, Jamalpore 9½ seers.

## *PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter*

QUANTITIES PER RUPEE IN

| Number. | DISTRICTS. | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | | JOWAR OR CHOLUM. (*Sorghum Vulgare.*) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | ***Eastern Districts*—concluded.** | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| 22 | Chittagong ... | 11 0 | 11 0 | 10 15 | ... | ... | ... | 12 0 | 12 0 | 15 0 | 16 8 | 16 8 | 18 15 | ... | ... | ... |
| 23 | Noakholly ... | ... | ... | ... | ... | ... | ... | 16 0 | 18 0 | 20 0 | 18 0 | 20 0 | 22 0 | ... | ... | ... |
| 24 | Tipperah ... | 12 8 | 12 8 | 13 8 | ... | ... | ... | 17 0 | 16 0 | 17 8 | 20 0 | 20 0 | 26 4 | ... | ... | ... |
| 25 | Chittagong Hill Tracts. | ... | ... | ... | ... | ... | ... | 11 6½ | 11 6½ | 14 8½ | 14 8½ | 14 8½ | 16 0 | ... | ... | ... |
| | Hill Tipperah... | 6 0 | 6 0 | 12 0 | ... | ... | ... | 10 0 | 9 0 | 16 0 | 19 0 | 18 0 | 27 0 | ... | ... | ... |
| | BEHAR. | | | | | | | | | | | | | | | |
| 26 | Patna ... | 17 0 | 16 0 | 17 0 | 21 0 | 20 8 | 30 0 | 11 0 | 11 0 | 11 8 | 15 8 | 15 8 | 22 0 | 21 0 | 21 0 | 26 0 |
| 27 | Gya ... | 13 8 | 13 8 | 13 4 | 15 0 | 16 0 | 24 0 | 9 8 | 9 8 | 10 0 | 15 0 | 15 8 | 17 8 | ... | ... | ... |
| 28 | Shahabad ... | 15 4 | 14 8 | 12 12 | 17 0 | 18 0 | 24 0 | 9 0 | 10 0 | 12 8 | 14 4 | 15 4 | 17 8 | 18 4 | 18 8 | 22 0 |
| 29 | Durbhunga ... | 12 0 | 15 4 | 16 7 | 16 8 | 17 8 | 38 7 | 11 0 | 10 8 | 14 0 | 14 0 | 13 12 | 20 13 | ... | ... | ... |
| 30 | Mozufferpore ... | 12 0 | 12 0 | 13 0 | ... | 18 0 | 30 0 | 9 0 | 9 0 | 12 0 | 13 0 | 12 0 | 20 0 | ... | ... | ... |
| 31 | Sarun ... | 15 0 | 15 0 | 14 8 | 20 8 | 20 8 | 24 8 | 8 8 | 8 8 | 8 8 | 13 5 | 13 10 | 19 8 | ... | ... | ... |
| 32 | Chumparun ... | 12 0 | 13 0 | 13 0 | 19 0 | 20 0 | 32 0 | 9 0 | 7 8 | 12 0 | 13 0 | 13 0 | 19 0 | ... | ... | ... |
| 33 | Monghyr ... | 15 3 | 14 11 | 16 13 | ... | ... | 25 4 | 14 0 | 12 9 | 13 14 | 17 1 | 15 4 | 17 13 | ... | ... | ... |
| 34 | Bhagulpore ... | 15 2 | 15 2 | 15 2 | 17 10 | 12 10 | 25 4 | 14 13 | New 15 2 Old 11 0 | 16 6 | 16 13 | New 16 6 Old 15 2 | 18 15 | ... | ... | ... |
| 35 | Purneah* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 36 | Maldah ... | 13 0 | 13 8 | 18 0 | ... | ... | ... | 13 0 | 12 8 | 12 0 | 16 0 | 17 5 | 22 0 | ... | ... | ... |
| 37 | Sonthal Pergha. | 11 8 | 11 8 | 12 0 | ... | ... | ... | 12 8 | 12 8 | 16 0 | 18 0 | 18 0 | 22 0 | ... | ... | ... |
| | ORISSA. | | | | | | | | | | | | | | | |
| 38 | Cuttack ... | 13 2 | 11 13 | 15 12 | ... | ... | ... | 11 13 | 11 13 | 13 2 | 18 6† | 19 11 | 19 11 | ... | ... | ... |
| 39 | Pooree ... | 13 2 | 11 13 | 14 7 | ... | ... | ... | 13 2 | 13 2 | 15 12 | 18 6 | 21 0 | 23 10 | ... | ... | ... |
| 40 | Balasore ... | 13 0 | 12 0 | 15 0 | 13 0 | 13 0 | 13 0 | 12 0 | 12 0 | 15 0 | 19 8 | 22 0 | 24 0 | ... | ... | ... |
| | CHOTA NAGPORE. *South-West Frontier Agency.* | | | | | | | | | | | | | | | |
| 41 | Hazaribagh ... | 12 0 | 12 0 | 10 0 | 9 0 | 9 0 | 20 0 | 8 0 | 8 0 | 9 8 | 16 0 | 15 0 | 16 0 | Not procurable. | | |
| 42 | Lohardugga ... | 10 8 | 10 8 | 12 0 | Not available | | | 13 0 | 12 0 | 16 8 | 16 8 | 16 0 | 19 0 | ... | ... | ... |
| 43 | Singbhoom ... | 10 0 | 10 0 | 13 0 | 14 0 | 14 0 | 26 0 | 16 0 | 16 0 | 12 0 | 20 0 | 20 0 | 20 0 | ... | ... | ... |
| 44 | Manbhoom ... | 10 14 | 11 14 | 12 0 | 30 0 | ... | 34 0 | 14 0 | 12 8 | 19 0 | 21 0 | 21 0 | 22 0 | ... | ... | ... |

* Price-current return not received.

† Common rice at Jajpore 23 seers 10 chittaks per rupee and Kendrapara 27 seers 9 chittaks per rupee.

O At Cox's Bazar retail price of salt 8 seers per rupee.
P At Panchgachia retail price of salt 8 seers per rupee.
Q In sub-divisions retail prices of salt per rupee are :—Buxar 10½ seers, Bhabooah 9½ seers, and Sasseram 10½ seers.
R In sub-divisions retail prices of salt per rupee are :—Madhubani 10 seers and Tajpore 10½ seers.
S At Hajipore and Sitamarhi retail price of salt 10 seers per rupee.

CALCUTTA,
*The 5th February* 1889.

S OF 80 TOLAHS.

| ...A OR CUMBU. ...nitolum typhoideum.) | | MARUA OR RAGI. (Eleusine Coracana.) | | | KANGNI OR KAKUN. ITALIAN MILLET. (Setaria italica.) | | | GRAM, CHANA, CHHOLA, KADALAY, OR SUNAGA. (Cicer arietinum.) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| ... | ... | ... | ... | ... | ... | ... | ... | 11 10 | 11 10 | 14 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 13 0 |
| ... | ... | ... | ... | .. | .. | .. | ... | 16 0 | 16 0 | 16 0 |
| ... | ... | ... | ... | .. | . | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | .. | ... | ... | .. | 10 0 | 10 0 | 12 0 |
| ... | ... | ... | .. | ... | 15 0 | 16 0 | 30 0 | 19 0 | 19 0 | 21 0 |
| ... | .. | . | ... | .. | 14 0 | 15 0 | 19 0 | 17 0 | 17 0 | 22 0 |
| ... | ... | ... | ... | ... | ... | ... | ... | 19 0 | 18 0 | 20 0 |
| ... | ... | 19 0 | 19 12 | 35 2 | 22 0 | 17 8 | ... | 18 0 | 17 8 | 17 8 |
| ... | ... | ... | ... | 30 0 | ... | ... | ... | 16 0 | 16 0 | 19 0 |
| ... | .. | 20 0 | 20 0 | 32 8 | 15 0 | 15 0 | 19 0 | 17 8 | 17 8 | 20 2 |
| ... | ... | 20 0 | 20 0 | 32 0 | ... | ... | ... | 14 0 | 14 0 | 18 0 |
| ... | .. | ... | ... | ... | 11 9 | 10 8 | 21 0 | 18 10 | 17 13 | 24 2 |
| .. | .. | .. | ... | | ... | ... | ... | 16 6 | 16 6 | 20 3 |
| .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| .. | .. | | ... | .. | ... | ... | ... | 14 0 | 13 8 | 22 0 |
| .. | .. | ... | ... | .. | ... | ... | ... | 13 8 | 14 0 | 21 0 |
| .. | .. | ... | ... | .. | ... | | | 19 11 | 18 6 (Kalai) | 9 11 |
| .. | .. | ... | ... | ... | ... | ... | ... | 17 1 | 13 2 (Kalai) | 17 1 |
| .. | .. | .. | ... | | . | .. | ... | 12 8 | 13 0 | 17 0 |
| ...rable. | 20 0 | 20 0 | 24 0 | | Not procurable. | | | 15 0 | 15 0 | 16 0 |
| .. | 26 8 | 27 0 | 34 0 | | ... | ... | ... | 12 0 | 14 0 | 19 0 |
| .. | ... | ... | ... | | ... | ... | ... | 12 0 | 12 0 | 12 0 |
| .. | ... | ... | .. | | ... | ... | ... | 13 5 | 13 5 | 17 0 |

| INDIAN-CORN OR MAIZE. (*Zea Mays.*) | | | ARHAR OR THUR. CADJAN PEA. (*Cajanus indicus.*) | | | FIREWOOD. | | |
|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | |
| ... | ... | ... | ... | ... | ... | 108 0 | 108 0 | |
| ... | ... | ... | ... | ... | ... | ... | ... | |
| ... | ... | ... | ... | ... | ... | ... | ... | |
| ... | ... | ... | 8 0 | 8 0 | 8 0 | ... | ... | |
| ... | ... | ... | ... | ... | ... | 320 0 | 320 0 | |
| .. | .. | ... | 8 0 | 8 0 | 12 0 | ... | ... | |
| ... | ... | ... | | | | | | |
| 21 0 | 20 8 | 30 0 | 23 0 | 22 0 | 24 0 | 130 0 | 130 0 | |
| ... | ... | ... | 18 0 | 18 0 | 17 0 | 200 0 | 200 0 | |
| ... | ... | ... | 14 0 | 13 4 | 13 0 | 160 0 | 160 0 | |
| 19 12 | 18 0 | 30 12 | 22 0 | 20 12 | 15 6 | 160 0 | 200 0 | |
| 17 0 | 17 0 | 26 0 | 20 0 | 20 0 | 14 8 | 160 0 | 160 0 | |
| 20 8 | 19 4 | 26 0 | 20 8 | 20 8 | 16 12 | 160 0 | 160 0 | |
| 17 8 | 17 8 | 29 8 | 22 0 | 22 0 | 14 0 | 160 0 | 160 0 | |
| 16 13 | 17 13 | 27 4 | 18 5 | 18 10 | 16 13 | 147 0 | 147 0 | |
| 17 2 | 17 10 | 25 4 | 17 10 | 17 10 | 17 10 | 176 8 | 176 8 | |
| ... | ... | ... | ... | ... | ... | ... | ... | |
| ... | ... | ... | ... | ... | ... | 120 0 | 120 0 | |
| ... | ... | ... | ... | ... | ... | ... | ... | |
| * 20 0 | 20 0 | 30 0 | 24 0 | 24 0 | 26 0 | 200 0 | 200 0 | |
| ... | ... | ... | 17 1 | 18 6 | 18 6 | 80 0 | 80 | |
| ... | ... | ... | 15 12 | 13 2 | 17 1 | 80 0 | 80 | |
| ... | ... | ... | ... | ... | ... | 160 0 | 160 | |
| 16 0 | 18 0 | 20 0 | 16 0 | 16 0 | 16 8 | 320 0 | 320 | |
| 19 0 | 18 0 | 24 0 | 17 0 | 16 8 | 20 0 | 140 0 | 140 | |
| ... | ... | ... | 15 0 | 15 0 | 20 0 | 200 0 | 200 | |
| 26 0 | 26 0 | 36 0 | 17 0 | 18 0 | 22 0 | 200 0 | 200 | |

*Station Bazars of the Districts of Bengal on the* 31*st January* 1889—(concluded).

| SALT. | | | WHOLESALE PRICES PER MAUND OF 40 SEERS. | | | AVERAGE WAGES PER MONTH. | | | | | | | | | DISTRICTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SALT | | | ABLE-BODIED AGRICULTURAL LABOURER. | | | SYCE OR HORSE-KEEPER. | | | COMMON MASON, CARPENTER, OR BLACKSMITH. | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| | | | | | | | | | | | | | | | *Eastern Districts*—concluded. |
| S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | |
| O 9 4 | 9 0 | 9 0 | 3 14 0 | 4 4 0 | 4 0 0 | 8 0 | 8 0 | 10 8 | 8 0 | 8 0 | 7 8 | 9 0 to 11 8 | 9 0 to 11 4 | 9 8 to 12 8 | Chittagong. |
| P 8 0 | 8 0 | 9 0 | 4 8 0 | 4 8 0 | 3 12 0 | 7 0 to 10 0 | 7 8 to 9 0 | 7 0 to 10 0 | 5 0 to 7 0 | 4 0 to 7 0 | 5 0 to 7 0 | 7 0 to 20 0 | 8 0 to 15 0 | 7 0 to 20 0 | Noakholly. |
| 8 0 | 8 0 | 10 8 | 4 6 0 | 4 6 0 | 3 12 0 | 10 0 | 7 0 to 10 0 | 10 0 | 8 0 | 7 0 to 8 0 | 8 0 | 12 0 to 15 0 | 8 0 to 15 0 | 12 0 to 15 0 | Tipperah. |
| 8 0 | 8 0 | 8 0 | 4 8 0 | 4 8 0 | 4 8 0 | 12 0 | 9 6 | 9 6 | Not procurable | | | | | | Chittagong Hill Fracts. |
| 8 0 | 8 0 | 9 0 | 4 6 0 | 4 6 0 | 4 4 0 | 8 0 | 8 0 | 8 0 | 6 0 | 6 0 | 6 0 | 15 0 | 15 0 | 15 0 | Hill Tipperah. |
| | | | | | | | | | | | | | | | BEHAR. |
| 10 0 | 10 0 | 11 8 | 3 12 0 | 3 13 3 | 3 1 6 | 4 0 to 5 0 | 4 to 5 0 | 4 8 to 5 0 | 4 8 to 5 0 | 4 8 to 5 0 | 4 8 to 6 0 | 6 0 to 8 0 | 7 8 to 8 0 | 6 0 to 8 0 | Patna. |
| 8 12 | 8 12 | 10 0 | 4 2 9 | 4 0 0 | ..... | 2 8 to 3 0 | 2 8 to 3 0 | 2 8 to 3 0 | 3 0 to 5 0 | 3 0 to 5 0 | 3 3 to 5 0 | 6 0 to 8 0 | 6 0 to 8 0 | 6 0 to 8 3 | Gya. |
| Q 10 0 | 10 0 | 10 0 | ..... | ..... | ..... | 5 0 | 5 0 | 5 0 | 4 0 to 6 0 | 4 0 to 6 0 | 4 0 to 6 0 | 6 0 to 7 8 | 6 0 to 7 8 | 6 0 to 7 8 | Shahabad. |
| R 11 0 | 11 0 | 12 0 | 3 10 3 | 3 10 3 | 3 4 0 | 3 12 to 5 0 | 2 12 to 5 0 | 2 8 to 5 0 | 3 0 to 5 0 | 3 0 to 5 0 | 2 8 to 5 0 | 3 12 to 9 8 | 3 12 to 9 8 | 3 8 to 8 8 | Durbhunga. |
| S 10 0 | 10 0 | 10 0 | 3 12 0 | 3 12 0 | 3 14 0 | 3 0 to 5 0 | 3 to 5 | 3 0 to 5 0 | 4 0 to 5 0 | 4 0 to 5 0 | 4 0 to 5 0 | 5 0 to 8 0 | 5 0 to 8 0 | 5 0 to 8 0 | Mozufferpore. |
| 10 0 | 10 0 | 11 12 | 3 14 6 | 3 14 6 | 3 10 0 | 3 12 to 7 8 | 3 12 to 7 8 | 3 12 to 7 8 | 4 0 to 7 0 | 4 0 to 7 0 | 4 0 to 7 0 | 6 9 to 10 0 | 6 9 to 10 0 | 6 9 to 10 0 | Sarun. |
| T 9 0 | 9 0 | 9 0 | 4 2 0 | 4 0 0 | 3 12 0 | 2 13 to 3 12 | 2 13 to 3 12 | 3 12 | 4 to 6 | 4 0 to 6 0 | 4 0 | 5 10 to 9 6 | 5 9 to 9 0 | 7 8 | Chumparun. |
| U 9 8 | 9 8 | 10 8 | 4 0 0 | 4 0 0 | 3 5 0 | 5 10 | 4 0 to 5 0 | 5 10 | 3 0 to 4 0 | 3 0 to 5 0 | 3 0 to 4 0 | 6 0 to 8 0 | 5 0 to 12 0 | 6 0 to 8 0 | Monghyr. |
| 9 0 | ... | 10 13 | 4 0 0 | 4 0 0 | 3 8 0 | 3 12 to 5 10 | 3 12 to 5 10 | 3 12 to 5 10 | 3 0 to 5 0 | 4 0 to 5 0 | 4 0 to 5 0 | 6 9 to 11 4 | 5 10 to 11 4 | 6 9 to 11 4 | Bhagulpore. |
| ... | ... | ... | ..... | ..... | ..... | 4 11 to 5 10 | 4 11 to 5 10 | 4 11 to 5 10 | 4 0 to 5 0 | 4 0 to 5 0 | 4 0 to 5 0 | 7 0 to 16 0 | 7 0 to 16 0 | 7 0 to 16 0 | Purneah. |
| 10 0 | 9 8 | 10 0 | 4 0 0 | 4 0 0 | 3 12 0 | 7 8 | 7 0 | 5 0 | 5 0 | 5 0 | 5 0 | 8 0 to 10 0 | 7 0 to 12 0 | 7 0 to 15 0 | Maldah. |
| 9 0 | 9 0 | 9 0 | 4 3 0 | 4 4 0 | 4 1 0 | 3 12 | 3 13 | 3 12 | 5 0 | 5 0 | 5 0 | 7 8 to 9 6 | 7 8 to 9 6 | 7 8 to 9 6 | Sonthal Perghs. |
| | | | | | | | | | | | | | | | ORISSA |
| 11 0 | 11 0 | 9 0 | 3 12 0 | 3 12 0 | 4 0 0 | 5 10 | 5 10 | 5 10 | 4 0 | 4 0 | 4 0 | 7 8 to 10 0 | 7 8 to 10 0 | 7 8 to 10 0 | Cuttack. |
| 11 13 | 11 13 | 10 8 | 3 6 0 | 3 6 0 | 3 8 0 | 6 0 | 8 0 | 6 0 | 5 0 | 5 0 | 5 0 | 8 0 to 10 0 | 8 0 to 10 0 | 8 0 to 10 0 | Pooree. |
| V 9 12 | 9 12 | 9 0 | 3 13 6 | 3 13 6 | 4 2 0 | 4 0 to 5 0 | 5 10 to 7 8 | 5 10 to 7 8 | 4 0 to 6 0 | 4 0 to 6 0 | 4 0 to 6 0 | 7 8 to 12 8 | 7 8 to 10 0 | 7 8 to 9 8 | Balasore. |
| | | | | | | | | | | | | | | | CHOTA NAGPORE. |
| | | | | | | | | | | | | | | | *South-West Frontier Agency.* |
| 8 0 | 8 0 | 8 0 | 4 8 0 | 4 8 0 | 4 8 0 | 3 12 | 3 12 | 3 12 | 4 0 to 5 | 5 0 | 3 0 to 4 0 | 7 8 | 8 0 | 7 8 | Hazaribagh. |
| 8 8 | 8 8 | 10 0 | 4 8 0 | 4 9 0 | 4 0 0 | 3-4-6 to 3-12-0 | 3-4-6 to 3-12-0 | 3-4-6 to 3-12-0 | 3 0 to 4 8 | 3 8 to 6 0 | 3 0 to 4 8 | 6 0 to 12 0 | 4 11 to 14 1 | 6 0 to 12 0 | Lohardugga. |
| 7 0 | 7 0 | 8 14 | 5 8 0 | 5 8 0 | 4 8 0 | 3 0 | 3 0 | 3 0 | 5 0 | 5 0 | 4 0 | 12 0 to 15 0 | 12 0 to 15 0 | 10 0 to 12 0 | Singbhoom. |
| W 9 0 | 9 0 | 9 2 | 4 3 6 | 4 3 6 | 4 0 0 | 4 11 | 4-3-6 | 5 0 | 5 0 | 5 0 | 4 0 | 13 2 to 15 0 | 13 3 to 14 1 | 11 0 | Manbhoom. |

T At Bettiah retail price of salt 9¼ seers per rupee.
U In sub-divisional retail prices of salt per rupee are:—Begusarai 9¼ seers and Jamui 9 seers.
V At Bhadrack retail price of salt 8 seers per rupee.
W At Govindpore retail price of salt 9 seers per rupee.

Published for general information

P. NOLAN,
*Secy. to the Govt. of Bengal.*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Sa*

| Number. | MARTS. | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMO | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. |
| | | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. |
| 1 | Calcutta ... | 2 14 10 | 2 13 10 | 2 13 5 | 2 5 2 | 2 4 3 | 1 7 7 | 3 14 5 | 3 14 4 | 3 11 3 | 2 7 1 | 2 7 8 |
| 2 | Serajgunge ... | 2 10 0 | 2 4 0 | 2 4 0 | ... | ... | ... | 3 12 0 | 3 8 0 | 3 6 0 | 2 10 0 | 2 6 0 |
| 3 | Dacca* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4 | Naraingunge* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 5 | Chittagong ... | 3 9 0 | 3 9 0 | 3 10 0 | ... | ... | ... | 3 4 0 | 3 4 0 | 2 10 0 | 2 7 0 | 2 7 0 |
| 6 | Patna ... | 2 5 0 | 2 7 0 | 2 3 6 | 1 13 0 | 1 14 6 | 1 4 6 | 3 8 0 | 3 8 0 | 3 0 0 | 2 7 0 | 2 7 0 |
| 7 | Balasore ... | 3 0 0 | 3 8 0 | 2 10 0 | 3 0 0 | 3 0 0 | 3 0 0 | 3 4 0 | 3 4 0 | 2 8 0 | 1 14 0 | 1 10 0 |
| 8 | Pooree ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 0 6 | 1 14 0 |
| 9 | Cuttack ... | 3 0 0 | 3 4 0 | 2 5 0 | ... | ... | ... | 3 4 0 | 3 4 0 | 3 0 0 | 2 2 0 | 2 0 0 |

* Return not received

CALCUTTA,
*The 4th February* 1889.

PRICES PER MAUND

| JOWAR OR CHOLUM. (*Sorgum Vulgare.*) | | | BAJRA OR CUMBU. (*Pennisetum typhoideum*). | | |
|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. |
| 2 0 5 | 2 0 0 | 2 4 9 | 2 15 6 | 2 12 0 | 3 2 11 |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | | ... | ... | ... | ... |
| 1 14 0 | 1 1 0 | 1 6 0 | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |

OF 40 SEERS.

| MARUA OR RAGI. (*Eleusine Coracana.*) | | | KANGNI OR KAKUN. ITALIAN MILLET. (*Setaria italica.*) | | |
|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. |
| ... | ... | 3 4 6 | 2 2 62 | 8 0 3 | 6 1 |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | 2 9 62 | 7 0 1 | 4 6 |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |

*entioned Marts of Bengal on the 31st January 1889.*

| CHANA, CHHOLA, LAY OR SUNAGA. (*er Arietinum.*) | | INDIAN-CORN OR MAIZE. (*Zea Mays.*) | | | ARHAR OR THUR, CADJAN PEA. (*Cajanus indicus.*) | | | FIREWOOD. | | | SALT. | | | MARTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | |
| 2 6 10 | 1 12 10 | 2 0 8 | 2 0 0 | 1 7 6 | 2 2 9 | 2 3 1 | 1 14 1 | 0 5 9 | 0 6 0 | 0 6 9 | 3 10 2 | 3 10 0 | 3 1 9 | Calcutta. |
| 3 4 0 | 2 14 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 11 0 | 3 10 0 | 3 5 0 | Serajgunge. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Dacca. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Naraingunge. |
| 3 4 0 | 2 12 0 | ... | ... | ... | ... | ... | ... | 0 5 3 | 0 5 3 | 0 5 0 | 3 14 0 | 4 4 0 | 4 0 0 | Chittagong. |
| 2 1 0 | 1 13 0 | 1 13 0 | 1 4 6 | 1 4 6 | 1 10 0 | 1 12 0 | 1 11 0 | 0 5 0 | 0 5 0 | 0 5 0 | 3 12 0 | 3 13 3 | 3 1 6 | Patna. |
| 3 2 0 | 2 4 0 | ... | ... | ... | ... | ... | ... | 0 4 6 | 0 4 6 | 0 4 0 | 3 13 6 | 3 13 6 | 4 2 0 | Balasore. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 6 0 | 3 6 0 | 3 8 0 | Pooree. |
| (*Kalai*). 2 2 0 | 2 0 0 | ... | ... | ... | 2 0 0 | 2 2 0 | 2 2 0 | 0 8 0 | 0 8 0 | 0 8 0 | 3 12 0 | 3 12 0 | 4 0 0 | Cuttack. |

Published for general information.

P. NOLAN,
*Secy. to the Govt. of Bengal.*

## Meteorological Report of the Province of B

STATION OBSERVATIONS.

| Meteorological Division. | District. | Representative station. | Air pressure. Mean barometric height, 8 A.M. | Air pressure. Mean reduced to sea-level. | Air pressure. Variation from mean. | Wind. Prevailing direction. | Wind. Mean wind velocity. | Temperature. Highest during week. | Temperature. Date. | Temperature. Lowest during week. | Temperature. Date. | Temperature. Mean maximum temperature. | Temperature. Mean minimum temperature of week. | Temperature. Mean daily temperature of week. | Temperature. Variation from normal mean of week. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orissa. | Pooree ... ... | Pooree ... | 30·041 | 30·054 | — | Calm | 193 | 91·2 | 1st Feb. | 64·2 | 1st Feb. | 84·0 | 69·5 | 76·8 | — |
| | | Gopalpore ... | 30·025 | 30·075 | +·043 | NW | 315 | 83·2 | 1st ,, | 68·9 | 1st ,, | 81·8 | 71·8 | 76·8 | +1 |
| | | False Point ... | 30·038 | 30·060 | —·009 | Calm | 240 | 83·9 | 1st ,, | 64·9 | 27th Jan. | 82·4 | 67·9 | 75·1 | +4 |
| | Cuttack ... ... | Cuttack ... | 29·981 | 30·065 | +·014 | Calm | 25† | 91·9 | 1st ,, | 64·8 | 1st Feb. | 89·8 | 67·5 | 78·5 | +4 |
| | Balasore ... ... | Balasore ... | 30·017 | 30·078 | —·006 | S | 123·8 | 88·4 | 1st ,, | 60·1 | 26th Jan. | 84·5 | 64·3 | 74·4 | +2 |
| South-West Bengal. | South-West Midnapore | Saugor Island | 30·030 | 30·077 | +·006 | NE | 274 | 84·2 | 1st ,, | 59·9 | 27th ,, | 81·4 | 65·3 | 73·5 | +1 |
| | South 24-Pergunnahs | | | | | | | | | | | | | | |
| | Midnapore ... ... | Midnapore ... | 29·920 | 30·077 | —·013 | N | 94·1 | 87·3 | 1st ,, | 57·2 | 26th ,, | 85·2 | 63·3 | 74·3 | +1 |
| | 24-Pergunnahs ... ... | Calcutta ... | 30·034 | 30·077 | +·027 | SSE | 72 | 83·5 | 1st ,, | 55·8 | 27th ,, | 80·6 | 60·2 | 70·4 | +3 |
| | Howrah ... ... | | | | | | | | | | | | | | |
| | Hooghly ... ... | | | | | | | | | | | | | | |
| | Burdwan ... ... | Burdwan ... | 29·965 | 30·071 | +·012 | Variable | 44·1 | 85·5 | 30th Jan. | 54·5 | 26th & 27th Jan. | 82·6 | 59·2 | 70·9 | +2 |
| | Bankoora ... ... | Bankoora ... | 29·743 | 30·061 | — | Calm | 97 | 85·6 | 30th ,, | 54·8 | 26th ,, | 81·9 | 60·2 | 71·1 | — |
| | Beerbhoom ... ... | Raneegunge | 29·736 | 30·062 | +·015 | Northern | 84·9 | 83·0 | 29th ,, | 55·2 | 26th ,, | 80·4 | 60·0 | 70·2 | +4 |
| | West Burdwan ... ... | | | | | | | | | | | | | | |
| | Moorshedabad ... ... | Berhampore | 30·017 | 30·087 | +·030 | Westerly | 66·7 | 83·4 | 30th ,, | 52·7 | 27th ,, | 77·5 | 56·9 | 67·2 | +1 |
| | Nuddea ... ... | Krishnaghur | 30·029 | 30·099 | +·058 | Variable | 95·9 | 84·8 | 30th ,, | 49·9 | 26th ,, | 80·5 | 56·3 | 68·4 | +2 |
| | Jessore ... ... | Jessore ... | 30·046 | 30·081 | +·028 | Calm | 59·0 | 83·2 | 30th ,, | 53·5 | 27th ,, | 81·2 | 57·9 | 69·6 | +2 |
| | Khoolna ... ... | | | | | | | | | | | | | | |
| | Chittagong ... ... | Chittagong ... | 29·984 | 30·079 | +·024 | Calm | 58·4 | 85·6 | 31st ,, | 53·7 | 27th ,, | 83·3 | 58·4 | 70·9 | +4 |
| | Chittagong Hill Tracts | Demagiri ... | Observations not received. | | | | | | | | | | | | |
| East Bengal. | Backergunge ... ... | Barrisal ... | 30·058 | 30·071 | +·033 | NW | 68·5 | 83·3 | 1st Feb. | 53·1 | 27th Jan. | 80·7 | 57·9 | 69·3 | +3 |
| | Noakholly ... ... | Noakholly ... | 30·028 | 30·073 | +·089 | Calm | 9·1 | 85·0 | 31st Jan. | 43·0 | 27th ,, | 81·3 | 51·3 | 67·8 | +3 |
| | Furreedpore ... ... | Furreedpore... | 30·034 | 30·075 | +·018 | Northerly | 71 | 81·5 | 1st Feb. | 50·5 | 27th ,, | 74·6 | 55·4 | 65·0 | +3 |
| | Dacca ... ... | Dacca ... | 30·035† | 30·058† | +·019† | Variable | 75·3 | 82·1 | 30th Jan. | 54·3 | 28th & 29th Jan. | 81·0 | 57·5 | 69·2 | +3 |
| | Commillah ... ... | Commillah ... | 30·030 | 30·067 | +·018 | NW | 57·6 | 84·4 | 1st Feb. | 51·1 | 27th & 28th Jan. | 82·3 | 54·7 | 68·5 | +3 |
| North Bengal. | Mymensingh ... ... | Mymensingh... | 30·017 | 30·078 | +·007 | Calm | 58·4 | 79·9 | 30th Jan. | 50·1 | 28th ,, | 77·2 | 54·1 | 65·7 | +3 |
| | Bogra ... ... | Bogra ... | 30·005 | 30·072 | +·042 | W | 56·8 | 81·6 | 30th ,, | 48·9 | 26th ,, | 76·1 | 54·6 | 65·4 | +3 |
| | Pubna ... ... | Serajgunge ... | 30·014 | 30·063 | +·007 | WNW | 85·8 | 80·3 | 30th ,, | 48·0 | 26th ,, | 76·8 | 53·7 | 65·3 | +3 |
| | Rajshahye ... ... | Rampore Beauleah. | 30·012 | 30·086 | +·030 | N | 74·6 | 80·4 | 30th ,, | 50·7 | 28th ,, | 75·6 | 55·1 | 65·3 | +3 |
| | Maldah ... | Maldah* ... | 30·096 | 30·121 | — | NW | 83·8 | 80·6 | 28th & 30th Jan. | 49·9 | 27th ,, | 79·8 | 53·7 | 66·8 | +4 |
| | Dinagepore ... ... | Dinagepore ... | 29·962 | 30·091 | +·048 | WSW | 68 | 81·6 | 30th ,, | 46·3 | 27th ,, | 73·9 | 52·5 | 63·2 | +1 |
| | Rungpore ... ... | Rungpore ... | 29·944 | 30·078 | +·039 | Variable | 61 | 79·8 | 30th ,, | 46·0 | 26th ,, | 73·4 | 52·0 | 62·7 | +1 |
| | Julpigoree ... ... | Julpigoree ... | 29·770 | 30·075 | +·044 | Westerly | 45·7 | 78·5 | 26th ,, | 46·2 | 29th ,, | 73·2 | 51·2 | 62·2 | +1 |
| | Cooch Behar ... ... | | | | | | | | | | | | | | |
| | Darjeeling Hill Tracts ... | Darjeeling ... | 12·988 | — | +·076 | ESE | 129 | 50·1 | 30th ,, | 33·5 | 1st Feb. | 46·2 | 36·0 | 41·1 | +1 |
| | Purneah ... ... | Purneah ... | 29·948 | 30·084 | +·037 | Variable | 56·5 | 79·2 | 31st ,, | 46·5 | 27th Jan. | 74·1 | 51·4 | 62·8 | +2 |
| | North Bhagulpore ... | | | | | | | | | | | | | | |
| North Behar. | Mozufferpore ... ... | Mozufferpore | Observations suspended. | | | | | | | | | | | | |
| | Durbhunga ... ... | Durbhunga ... | 29·911 | 30·031 | +·045 | WSW | 106 | 72·2 | 26th Jan. | 51·4 | 26th Jan. | 69·1 | 55·5 | 62·3 | +2 |
| | Chumparun ... ... | Motihari† ... | 29·882 | 30·127 | +·094 | Calm | 66·4† | 71·7 | 29th ,, | 44·9 | 28th ,, | 68·3 | 46·5 | 57·4 | +2 |
| | Sarun ... ... | Chupra* ... | 29·904 | 30·112 | +·048 | E | 41·5 | 63·5 | 29th ,, | 49·5 | 27th ,, | 58·9 | 53·1 | 56·0 | +2 |
| | Shahabad ... ... | Dehree ... | 29·795 | 30·082 | —·007 | SW | 195·8 | 81·3 | 30th ,, | 53·0 | 27th ,, | 77·7 | 55·8 | 66·8 | +3 |
| | | Buxar ... | 29·823 | 30·085 | +·003 | Variable | 134·0 | 78·4 | 30th ,, | 47·4 | 26th ,, | 72·3 | 53·8 | 63·0 | +3 |
| | | Arrah ... | 29·838 | 30·079 | +·020 | E | 32·5 | 78·3 | 30th ,, | 47·9 | 27th ,, | 71·9 | 52·8 | 62·4 | +2 |
| South Behar. | Gya ... ... | Gya ... | 29·701 | 30·104 | +·028 | NE | 137·0* | 82·8 | 30th ,, | 51·8 | 26th ,, | 77·2 | 57·1 | 67·2 | +3 |
| | Patna ... ... | Bankipore ... | 29·895 | 30·092 | +·017 | E & W | 68·6 | 78·3 | 30th ,, | 48·2 | 28th ,, | 70·8 | 53·4 | 62·1 | +2 |
| | South Bhagulpore ... | Bhagulpore ... | 29·905 | 30·077 | +·008 | Westerly | 63 | 78·3 | 30th ,, | 51·0 | 26th & 27th Jan. | 71·5 | 54·4 | 63·0 | +3 |
| | Monghyr ... ... | | | | | | | | | | | | | | |
| | Sonthal Pergunnahs ... | Doomka ... | 29·561 | 30·031 | +·060 | Calm | 94·6 | 81·6 | 30th ,, | 51·0 | 26th ,, | 76·5 | 56·5 | 66·5 | +3 |
| Chota Nagpore. | Hazaribagh ... ... | Hazaribagh ... | 27·995 | 30·088 | +·013 | SSE | 212·8 | 81·0 | 30th ,, | 50·7 | 26th ,, | 76·5 | 55·0 | 65·7 | +3 |
| | Lohardugga ... ... | Ranchee ... | 27·873 | 30·076 | +·001 | Southerly | 126·8 | 82·5 | 29th ,, | 49·9 | 26th ,, | 79·2 | 55·0 | 67·1 | +3 |
| | Manbhoom ... ... | | | | | | | | | | | | | | |
| | Singbhoom ... ... | Chyebassa ... | 29·291 | 30·089 | +·062 | Calm | 17·4 | 84·0 | 29th & 31st Jan. | 55·1 | 26th ,, | 85·0 | 60·1 | 72·6 | +4 |

* Means of six days.
† Do. of five ,,

*Explanation.—Summary.*—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for ... *The humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by ... are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question a... fations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

## ...he week ending Friday, the 1st of February 1889.

| Average cloud amount at 8 A.M. for week. | Rainfall of week at observing station. | OF WEEK. Mean for district. | OF WEEK. Normal mean. | DISTRICT OBSERVATIONS. RAINFALL. Since 1st of month. Mean for district. | Since 1st of month. Normal mean. | Since 1st of month. Variation. | Since 15th May 1888. Mean for district. | Since 15th May 1888. Normal mean. | Since 15th May 1888. Variation. | Average number of rainy days. | Normal number of rainy days. | Representative station. | District. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1·6 | Nil | Nil | 0·16 | Nil | 0·31 | −0·31 | 44·12 | 55·66 | −11·54 | 0·0 | 0·4 | Pooree ... | | |
| 0·1 | Nil | | | | | | | | | | | Gopalpore ... | Pooree ... ... ... | Orissa. |
| 1·9 | Nil | | | | | | | | | | | False Point ... | | |
| 0·9 | Nil | 0·08 | 0·20 | 0·08 | 0·39 | −0·31 | 51·87 | 52·03 | −0·16 | 0·4 | 0·4 | Cuttack ... | Cuttack ... ... ... | |
| 0·4 | Nil | 0·08 | 0·27 | 0·08 | 0·48 | −0·40 | 52·95 | 53·37 | −0·42 | 0·2 | 0·4 | Balasore ... | Balasore ... ... | |
| 0·7 | Nil | Nil | 0·17 | Nil | 0·46 | −0·46 | 54·99 | 62·42 | −7·43 | 0·0 | 0·4 | Saugor Island ... | South-West Midnapore | South-West Bengal. |
| | | | | | | | | | | | | | South 24-Pergunnahs | |
| 0·9 | 1·62 | 0·71 | 0·23 | 0·71 | 0·55 | +0·16 | 62·20 | 51·61 | +10·59 | 0·7 | 0·5 | Midnapore ... | Midnapore ... ... | |
| | | | | | | | | | | | | | 24-Pergunnahs... ... | |
| 0 | 0·15 | 0·43 | 0·22 | 0·43 | 0·58 | −0·15 | 62·62 | 51·74 | +10·88 | 1·9 | 0·5 | Calcutta ... | Howrah ... ... | |
| | | | | | | | | | | | | | Hooghly ... ... | |
| 3·0 | 0·36 | 0·56 | 0·24 | 0·56 | 0·52 | +0·04 | 56·18 | 46·83 | +9·35 | 1·0 | 0·5 | Burdwan ... | Burdwan ... ... | |
| 2·4 | 0·34 | 0·31 | 0·19 | 0·51 | 0·42 | +0·09 | 52·24 | 52·28 | +0·04 | 1·3 | 0·4 | Bankoora ... | Bankoora ... ... | |
| 4·9 | 1·25 | 1·32 | 0·16 | 1·59 | 0·50 | +1·09 | 58·08 | 51·67 | +6·41 | 1·5 | 0·4 | Raneegunge ... | Beerbhoom ... ... | |
| | | | | | | | | | | | | | West Burdwan ... | |
| 5·1 | 1·04 | 1·60 | 0·09 | 1·94 | 0·47 | +1·47 | 48·76 | 50·59 | −1·83 | 1·0 | 0·4 | Berhampore ... | Moorshedabad ... ... | |
| 3·9 | 1·06 | 1·29 | 0·18 | 1·29 | 0·43 | +0·86 | 54·74 | 49·23 | +5·51 | 1·4 | 0·4 | Krishnaghur ... | Nuddea ... ... | |
| 2·7 | 0·59 | 0·59 | 0·24 | 0·60 | 0·09 | 0 | 44·49 | 53·34 | −8·85 | 1·9 | 0·5 | Jessore ... | Jessore ... ... | |
| | | | | | | | | | | | | | Khoolna ... ... | |
| 1·9 | 0·54 | | 0·23 | | 0·70 | | | 113·81 | | | 0·5 | Chittagong ... | Chittagong ... ... | East Bengal. |
| | | | 0·27 | | 0·73 | | | 81·69 | | | 0·5 | Demagiri ... | Chittagong Hill Tracts | |
| 0·6 | 1·15 | 0·71 | 0·24 | 0·71 | 0·72 | −0·01 | 72·53 | 77·06 | −4·53 | 1·5 | 0·5 | Barrisal ... | Backergunge ... ... | |
| 2·6 | 1·13 | | 0·20 | | 0·76 | | | 107·23 | | | 0·6 | Noakholly ... | Noakholly ... ... | |
| 0·7 | 0·86 | 0·82 | 0·25 | 0·82 | 0·56 | +0·26 | 48·05 | 55·84 | −7·79 | 1·7 | 0·5 | Furreedpore ... | Furreedpore ... ... | |
| 3·9 | 1·19 | 1·06 | 0·20 | 1·06 | 0·46 | +0·60 | 56·49 | 59·89 | −3·40 | 2·3 | 0·5 | Dacca ... | Dacca ... ... | |
| 1·4 | 0·14 | | 0·21 | | 0·71 | | | 69·38 | | | 0·6 | Commillah ... | Tipperah ... ... | |
| 5·0 | 0·36 | | 0·16 | | 0·48 | | | 67·42 | | | 0·4 | Mymensingh ... | Mymensingh ... ... | |
| 3·4 | 1·76 | 1·62 | 0·14 | 2·01 | 0·44 | +1·57 | 45·64 | 57·31 | −11·67 | 2·0 | 0·3 | Bogra ... | Bogra ... ... | North Bengal. |
| 4·1 | 0·33 | 0·43 | 0·16 | 1·33 | 0·46 | +0·87 | 42·05 | 53·42 | −11·37 | 1·0 | 0·4 | Serajgunge ... | Pubna ... ... | |
| 3·6 | 1·23 | 1·37 | 0·13 | 2·23 | 0·61 | +1·62 | 47·23 | 53·99 | −6·76 | 2·0 | 0·4 | Rampore Beauleah | Rajshahye ... ... | |
| 3·3 | 3·39 | 2·70 | 0·20 | 3·03 | 0·57 | +2·46 | 43·34 | 54·32 | −10·98 | 2·5 | 0·5 | Maldah ... | Maldah ... ... | |
| 4·4 | 2·45 | 2·70 | 0·10 | 2·95 | 0·40 | +2·55 | 48·56 | 57·43 | −8·87 | 2·0 | 0·4 | Dinagepore ... | Dinagepore ... ... | |
| 3·3 | 2·30 | 2·37 | 0·20 | 2·56 | 0·52 | +2·04 | 58·42 | 73·87 | −15·45 | 2·0 | 0·5 | Rungpore ... | Rungpore ... ... | |
| 2·0 | 1·51 | 1·88 | 0·17 | 2·17 | 0·46 | +1·71 | 88·16 | 111·25 | −23·09 | 2·0 | 0·5 | Julpigoree ... | Julpigoree ... ... | |
| 2·7 | 2·31 | 2·21 | 0·32 | 2·54 | 0·91 | +1·63 | 100·62 | 121·40 | −20·78 | 2·3 | 1·0 | Darjeeling ... | Cooch Behar ... ... | |
| | | | | | | | | | | | | | Darjeeling Hill Tracts | |
| 4·4 | 3·43 | 2·22 | 0·14 | 2·31 | 0·53 | +1·78 | 50·10 | 58·70 | −8·60 | 2·0 | 0·4 | Purneah ... | Purneah ... ... | |
| | | 2·77 | 0·23 | 3·10 | 0·71 | +2·39 | 42·49 | 43·61 | −1·12 | 2·3 | 0·4 | Mozufferpore ... | North Bhagulpore ... | |
| 3·6 | 3·00 | 3·66 | 0·21 | 3·38 | 0·69 | +2·69 | 42·05 | 44·76 | −2·71 | 2·3 | 0·4 | Durbhunga ... | Mozufferpore ... ... | North Behar. |
| 1·5 | 2·61 | 2·16 | 0·31 | 2·33 | 0·71 | +1·62 | 43·22 | 46·84 | −3·62 | 3·5 | 0·5 | Motihari ... | Durbhunga ... ... | |
| 4·7 | 1·54 | 2·05 | 0·26 | 2·66 | 0·69 | +1·97 | 40·09 | 43·00 | −2·91 | 2·3 | 0·5 | Chupra ... | Chumparun ... ... | |
| 2·4 | 0·36 | | | | | | | | | | | | Sarun ... ... | |
| 4·7 | 0·90 | 0·64 | 0·14 | 0·89 | 0·72 | +0·17 | 42·80 | 40·11 | +2·69 | 1·8 | 0·5 | Dehree ... | | |
| 4·9 | 1·12 | | | | | | | | | | | Buxar ... | Shahabad ... ... | |
| 2·5 | 0·67 | 1·22 | 0·22 | 1·35 | 0·72 | +0·63 | 50·81 | 41·70 | +9·11 | 2·9 | 0·5 | Arrah ... | | |
| 4·0 | 1·35 | 2·16 | 0·16 | 2·29 | 0·60 | +1·69 | 49·00 | 41·37 | +7·63 | 2·0 | 0·5 | Gya ... | Gya ... ... | South Behar. |
| 3·9 | 1·31 | 2·39 | 0·22 | 2·65 | 0·61 | +2·04 | 50·93 | 43·23 | +7·70 | 2·0 | 0·5 | Bankipore ... | Patna ... ... | |
| 2·4 | 1·72 | 1·96 | 0·12 | 2·22 | 0·43 | +1·79 | 54·46 | 50·86 | +3·60 | 1·7 | 0·4 | Bhagulpore ... | South Bhagulpore ... | |
| 3·0 | 0·20 | | 0·16 | | 0·63 | | | 50·50 | | | 0·4 | Doomka ... | Monghyr ... ... | |
| 2·1 | Nil | | 0·17 | | 0·88 | | | 49·14 | | | 0·4 | Hazaribagh ... | Southal Pergunnahs... | |
| | | 0·76 | 0·22 | 0·88 | 0·69 | +0·28 | 47·23 | 47·06 | +0·17 | 1·0 | 0·4 | Ranchi ... | Hazaribagh ... ... | Chota Nagpore. |
| 2·9 | 0·21 | 0·21 | 0·33 | 0·21 | 0·81 | −0·60 | 40·65 | 51·65 | −11·00 | 0·6 | 0·6 | Chyebassa ... | Lohardugga ... | |
| | | | | | | | | | | | | | Manbhoom ... | |
| | | | | | | | | | | | | | Singbhoom ... | |

...are negative when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means ...s of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the sub-divisional

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 1st of February 1889.

| Meteorological division. | District. | Station. | Rainfall. Saturday, 26th January 1889. | Sunday, 27th January. | Monday, 28th January. | Tuesday, 29th January. | Wednesday, 30th January. | Thursday, 31st January. | Friday, 1st February. | Total. Number of rainy days. | Total. Rainfall of week. | Total rainfall since 1st of January. | Average total rainfall from 1st of January. | Total rainfall since 15th May 1888. | Average rainfall from May 1st |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orissa | Pooree | Pooree | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·24 | 41·07 | |
| | | Khurdah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·26 | 44·38 | |
| | | Banpur | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·10 | 36·78 | |
| | | False Point | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·09 | 54·24 | |
| | | *Gop* | | | | | | | | | | | ? | | |
| | | *Pipli* | | | | | | | | | | | ? | | |
| | Cuttack | Jagatsingpore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·38 | 56·21 | |
| | | Banki | 0·09 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 0·09 | 0·09 | 0·28 | 43·81 | |
| | | Cuttack | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·33 | 52·68 | |
| | | Kendrapara | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·44 | 45·21 | |
| | | Jajpore | ..... | ..... | ..... | 0·30 | ..... | ..... | ..... | 1 | 0·30 | 0·30 | 0·50 | 61·45 | |
| | | *Dharmsalá* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 56·98 | |
| | | *Salipore* | | | | | | | | | | | ? | | |
| | Balasore | Chandbali | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·51 | 51·98 | |
| | | Bhuddruck | ..... | ..... | ..... | 0·50 | ..... | ..... | ..... | 1 | 0·50 | 0·50 | 0·45 | 49·01 | |
| | | Sorah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·30 | 49·03 | |
| | | Balasore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·49 | 56·98 | |
| | | Jellasore | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·75 | 55·85 | |
| | | Baripodah | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·37 | 54·18 | |
| South-West Bengal. | Midnapore | Contai | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·29 | 50·76 | |
| | | Sangor Island | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·38 | 52·09 | |
| | | Tumlook | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·50 | 64·89 | |
| | | Midnapore | ..... | ..... | ..... | 1·67 | ..... | ..... | ..... | 1 | 1·67 | 1·67 | 0·62 | 64·71 | |
| | | Ghattal | ..... | ..... | ..... | 0·46 | ..... | ..... | ..... | 1 | 0·46 | 0·51 | 0·51 | 57·09 | |
| | | *Kukrahaty* | ..... | ..... | ..... | 0·09 | ..... | ..... | ..... | 1 | 0·09 | 0·09 | ? | 65·37 | |
| | | *Heria* | ..... | ..... | ..... | 0·03 | ..... | ..... | ..... | 1 | 0·03 | 0·03 | ? | 52·14 | |
| | | *Bhagwanpore* | ..... | ..... | ..... | 0·55 | ..... | 0·63 | ..... | 2 | 1·18 | 1·18 | ? | 51·09 | |
| | | *Garbeta* | ..... | ..... | ..... | 0·22 | 0·06 | ..... | ..... | 2 | 0·28 | 0·28 | ? | 64·09 | |
| | 24-Pergunnahs | Diamond Harbour | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·72 | 57·18 | |
| | | *Canning Town* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | 0·57 | 56·12 | |
| | | Alipore Jail | ..... | ..... | ..... | ..... | 0·22 | 0·05 | ..... | 2 | 0·27 | 0·27 | 0·73 | 62·22 | |
| | | Barrackpore | ..... | ..... | ..... | ..... | 0·10 | ..... | 0·15 | 2 | 0·25 | 0·25 | 0·56 | 61·61 | |
| | | Dum-Dum | ..... | ..... | ..... | ..... | 0·44 | ..... | ..... | 1 | 0·44 | 0·44 | 0·62 | 64·18 | |
| | | Baraset | ..... | ..... | ..... | ..... | 0·22 | ..... | 0·80 | 2 | 1·02 | 1·02 | 0·74 | 65·55 | |
| | | Buseerhat | ..... | ..... | ..... | ..... | 0·27 | ..... | 0·10 | 2 | 0·37 | 0·37 | 0·51 | 51·08 | |
| | | | | | | | | | | | | | | | |
| | Howrah | Howrah | ..... | ..... | ..... | ..... | 0·15 | ..... | ..... | 1 | 0·15 | 0·15 | 0·62 | 65·73 | |
| | | Mohesreka (*Ooloberiah.*) | ..... | ..... | ..... | 0·12 | 0·09 | 0·21 | ..... | 3 | 0·42 | 0·45 | 0·53 | 59·29 | |
| | | | | | | | | | | | | | | | |
| | Hooghly | Serampore | ..... | ..... | ..... | ..... | 0·15 | 0·12 | 0·25 | 3 | 0·52 | 0·52 | 0·53 | 67·20 | |
| | | Hooghly | ..... | ..... | ..... | 0·05 | 0·13 | ..... | ..... | 2 | 0·18 | 0·18 | 0·47 | 56·91 | |
| | | Jehanabad | ..... | ..... | ..... | ..... | 0·68 | ..... | ..... | 1 | 0·68 | 0·68 | 0·50 | 61·79 | |
| | | | | | | | | | | | | | | | |
| | Burdwan | Culna | ..... | ..... | ..... | ..... | 0·73 | ..... | ..... | 1 | 0·73 | 0·73 | 0·53 | 61·99 | |
| | | Burdwan | ..... | ..... | ..... | ..... | 0·36 | ..... | ..... | 1 | 0·36 | 0·36 | 0·42 | 44·85 | |
| | | Cutwa | ..... | ..... | ..... | ..... | 0·60 | ..... | ..... | 1 | 0·60 | 0·60 | 0·58 | 60·63 | |
| | | Kaneegunge | ..... | ..... | ..... | ..... | 1·25 | ..... | ..... | 1 | 1·25 | 1·43 | 0·40 | 58·43 | |
| | | *Mankur* | ..... | ..... | ..... | ..... | 1·18 | ..... | ..... | 1 | 1·18 | 1·18 | ? | 43·57 | |
| | | | | | | | | | | | | | | | |
| | Bankoora | Bankoora | ..... | ..... | ..... | ..... | 0·55 | ..... | ..... | 1 | 0·55 | 0·55 | 0·42 | 49·10 | |
| | | Bishenpore | ..... | ..... | ..... | ..... | 0·45 | 0·30 | ..... | 2 | 0·75 | 0·75 | 0·51 | 54·08 | |
| | | Maliara | ..... | ..... | ..... | ..... | 0·65 | ..... | ..... | 1 | 0·65 | 0·65 | 0·32 | 50·63 | |
| | | Khatra | ..... | ..... | ..... | ..... | ..... | ..... | 0·10 | | 0·10 | 0·10 | 0·54 | 55·75 | |
| | | Indas | ..... | ..... | ..... | ..... | 0·11 | 0·03 | ..... | 2 | 0·14 | 0·14 | ? | 41·40 | |
| | | Kotalpore | ..... | ..... | ..... | ..... | 0·80 | 1·09 | ..... | 2 | 1·89 | 1·89 | ? | 48·73 | |
| | | Anda | ..... | ..... | ..... | 0·15 | 0·10 | ..... | ..... | 2 | 0·25 | 0·25 | ? | 38·06 | |
| | | Gangajalghati | ..... | ..... | ..... | ..... | 0·53 | ..... | ..... | 1 | 0·53 | 0·53 | ? | 56·70 | |
| | | *Raipore* | | | | | | | | | | | ? | | |
| | | *Sonamukhi* | ..... | ..... | ..... | ..... | 0·57 | ..... | ..... | 1 | 0·57 | 0·57 | ? | 40·33 | |
| | | | | | | | | | | | | | | | |
| | Beerbhoom | Bh. Soory | ..... | ..... | ..... | ..... | 0·75 | ..... | ..... | 1 | 0·75 | 1·12 | 0·54 | 54·43 | |
| | | Hetampore | ..... | ..... | ..... | 0·27 | 0·81 | ..... | ..... | 2 | 1·08 | 1·36 | 0·51 | 48·34 | |
| | | Rampore Haut | ..... | ..... | ..... | ..... | 1·95 | 0·25 | ..... | 2 | 2·20 | 2·48 | 0·60 | 70·92 | |
| | | *Hoipore* | ..... | ..... | ..... | ..... | 1·45 | ..... | ..... | 1 | 1·45 | 1·45 | ? | 63·00 | |
| | | *Murarai* | | | | | | | | | | | ? | | |
| | | | | | | | | | | | | | | | |
| | Nuddea | Ranaghat | ..... | ..... | ..... | ..... | 1·72 | ..... | ..... | 1 | 1·72 | 1·72 | 0·50 | 64·23 | |
| | | Kishnaghur | ..... | ..... | ..... | ..... | 0·90 | 0·17 | ..... | 2 | 1·07 | 1·07 | 0·40 | 69·42 | |
| | | Chooadanga | ..... | ..... | ..... | ..... | 0·94 | ..... | ..... | 1 | 0·94 | 0·94 | 0·42 | 53·17 | |
| | | Meherpore | ..... | ..... | ..... | ..... | 1·65 | 0·50 | ..... | 2 | 2·15 | 2·15 | 0·30 | 50·00 | |
| | | Kooshtea | ..... | ..... | ..... | ..... | 0·57 | ..... | ..... | 1 | 0·57 | 0·57 | 0·43 | 36·89 | |
| | | | | | | | | | | | | | | | |
| | Khoolna | Satkhira | ..... | ..... | ..... | ..... | 0·86 | ..... | 0·03 | 2 | 0·89 | 0·89 | 0·44 | 39·13 | |
| | | Bagirhat | ..... | ..... | ..... | ..... | 0·29 | ..... | 0·10 | 2 | 0·39 | 0·39 | 0·86 | 50·78 | |
| | | Khoolna | ..... | ..... | ..... | ..... | 0·18 | ..... | 0·08 | 2 | 0·26 | 0·33 | 0·74 | 45·32 | |
| | | | | | | | | | | | | | | | |
| | Jessore | Narail | ..... | ..... | ..... | ..... | 0·50 | 0·23 | 0·09 | 3 | 0·82 | 0·82 | 0·79 | 33·81 | |
| | | Jessore | ..... | ..... | ..... | ..... | 0·46 | 0·03 | 0·10 | 3 | 0·59 | 0·59 | 0·65 | 57·10 | |
| | | Jhenidah | ..... | ..... | ..... | ..... | 0·65 | ..... | ..... | 1 | 0·65 | 0·65 | 0·39 | 36·29 | |
| | | Magoorah | ..... | ..... | ..... | ..... | 0·65 | ..... | ..... | 1 | 0·65 | 0·65 | 0·28 | 43·35 | |
| | | Bongong | ..... | ..... | ..... | ..... | 0·45 | ..... | ..... | 1 | 0·45 | 0·45 | 0·54 | 40·45 | |
| | | | | | | | | | | | | | | | |
| | Moorshedabad | Kandi | ..... | ..... | ..... | ..... | 0·58 | ..... | ..... | 1 | 0·58 | 0·76 | 0·42 | 51·07 | |
| | | Berhampore | ..... | ..... | ..... | ..... | 1·04 | ..... | ..... | 1 | 1·04 | 1·38 | 0·57 | 42·43 | |
| | | Lalbagh | ..... | ..... | ..... | ..... | 1·80 | ..... | ..... | 1 | 1·80 | 1·88 | 0·20 | 45·11 | |
| | | Azimgunge | ..... | ..... | ..... | ..... | 2·04 | ..... | ..... | 1 | 2·04 | 2·44 | 0·61 | ? | |
| | | Jungipore | ..... | ..... | ..... | ..... | 2·08 | ..... | ..... | 1 | 2·08 | 2·97 | 0·51 | 45·43 | |
| | | Lalgola | ..... | ..... | ..... | ..... | 2·05 | ..... | ..... | 1 | 2·05 | 2·34 | 0·56 | 53·03 | |
| | | *Jiagunge* | ..... | ..... | ..... | ..... | 1·75 | ..... | ..... | 1 | 1·75 | 1·98 | ? | 48·45 | |
| | | *Akrigunj* | ..... | ..... | ..... | ..... | 2·10 | ..... | ..... | 1 | 2·10 | 2·36 | ? | 48·07 | |
| | | *Patkabari* | ..... | ..... | ..... | ..... | 0·50 | ..... | ..... | 1 | 0·50 | 0·50 | ? | 44·24 | |
| | | | | | | | | | | | | | | | |
| East Bengal. | Chittagong | Cox's Bazar | ..... | ..... | ..... | ..... | ..... | ..... | 0·27 | 1 | 0·27 | 0·27 | 0·77 | 14·71 | |
| | | Chittagong | | | | | | | | | | | 0·62 | | |
| | | *Kutubdia* | | | | | | | | | | | ? | | |
| | | *Satkanya* | | | | | | | | | | | ? | | |
| | | | | | | | | | | | | | 0·66 | | |
| | Chittagong Hill Tracts. | Rangamati | | | | | | | | | | | 0·78 | | |
| | | Ruma | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | Backergunge | Patuakhally | ..... | ..... | ..... | ..... | ..... | ..... | 0·07 | 1 | 0·67 | 0·67 | 0·68 | 80·77 | |
| | | Perozepore | ..... | ..... | ..... | ..... | 0·27 | ..... | 0·30 | 3 | 0·66 | 0·64 | 0·78 | 61·96 | |
| | | Burrisal | ..... | ..... | ..... | ..... | 0·60 | ..... | 0·64 | 2 | 1·24 | 1·24 | 0·53 | 69·62 | |
| | | Bhola | ..... | ..... | ..... | ..... | ..... | 0·26 | ..... | 1 | 0·26 | 0·26 | 0·80 | 75·20 | |

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 1st of February 1889—contd.

| Meteorological Division. | District. | Station.* | Rainfall. Saturday, 26th January 1889. | Sunday, 27th January. | Monday, 28th January. | Tuesday, 29th January. | Wednesday, 30th January. | Thursday, 31st January. | Friday, 1st February. | Total: Number of rainy days. | Total: Rainfall of week. | Total rainfall since 1st of January. | Average total rainfall from 1st of January. | Total rainfall since 15th May 1888. | Average rainfall from 15th May to date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EAST BENGAL excld. | | *Gournaddi* ... | ..... | ..... | ..... | ..... | ..... | ..... | 1·00 | 1 | 1·00 | 1·00 | ? | 50·28 | ? |
| | | *Bauphal* ... | | | | | | | | | | | ? | | ? |
| | Noakholly | Noakholly ... | | | | | | | | | | | 0·63 | | 107·83 |
| | | *Fenny* ... | | | | | | | | | | | 0·88 | | 106·60 |
| | | *Harishpore* ... | | | | | | | | | | | ? | | ? |
| | | *Ramganj* ... | ..... | ..... | ..... | ..... | 0·12 | | | | | | ? | | ? |
| | Furreedpore.. | Madaripore .. | ..... | ..... | ..... | ..... | 0·40 | ..... | ..... | 1 | 0·40 | 0·40 | 0·64 | 46·11 | 55·87 |
| | | Furreedpore... | ..... | ..... | ..... | ..... | 0·70 | ..... | 0·40 | 2 | 1·10 | 1·10 | 0·42 | 53·11 | 56·34 |
| | | Goalundo ... | ..... | ..... | ..... | ..... | 0·86 | 0·11 | ..... | 2 | 0·97 | 0·97 | 0·59 | 44·95 | 53·10 |
| | Dacca ... | Munshigunge | ..... | ..... | ..... | ..... | 0·45 | ..... | 0·11 | 2 | 0·56 | 0·56 | 0·61 | 61·60 | 70·23 |
| | | Dacca ... | ..... | ..... | ..... | ..... | 0·34 | ..... | 0·87 | 2 | 1·21 | 1·21 | 0·43 | 53·57 | 58·46 |
| | | Narainguage | ..... | ..... | ..... | ..... | 0·29 | ..... | 0·43 | 2 | 0·77 | 0·77 | 0·32 | 63·37 | 59·61 |
| | | Manickgunge | ..... | ..... | ..... | ..... | 0·45 | 1·24 | 0·02 | 3 | 1·71 | 1·71 | 0·50 | 47·45 | 50·10 |
| | | *Joydebpore* ... | ..... | ..... | ..... | ..... | 0·17 | ..... | 0·13 | 2 | 0·30 | 0·30 | ? | 59·38 | ? |
| | Hill Tipperah | Agartolá ... | | | | | | | | | | | 0·69 | | 61·72 |
| | Tipperah ... | Comilla ... | ..... | ..... | ..... | ..... | ..... | ..... | 0·13 | 1 | 0·13 | 0·13 | 0·74 | 69·04 | 76·01 |
| | | Chandpore ... | ..... | ..... | ..... | ..... | 0·68 | ..... | 0·60 | 2 | 1·28 | 1·28 | 0·53 | 57·83 | 77·91 |
| | | Brahmunberia | | | | | | | | | | | 0·86 | | 61·33 |
| | | *Ramchandrapore.* | ..... | ..... | ..... | ..... | 0·02 | ..... | 0·48 | 2 | 0·50 | 0·50 | ? | 60·66 | ? |
| | | *Nasirnagar* ... | | | | | | | | | | | ? | | ? |
| | | *Daudkandi* ... | | | | | | | | | | | ? | | ? |
| | | *Kasba* ... | ..... | ..... | ..... | ..... | ..... | ..... | 0·05 | 1 | 0·05 | 0·37 | ? | 56·65 | ? |
| | | *Laksham* ... | ..... | ..... | ..... | ..... | ..... | ..... | 1·99 | 1 | 1·99 | 1·99 | ? | 80·01 | ? |
| | Mymensingh... | Kishoregunge | | | | | | | | | | | 0·65 | | 70·15 |
| | | Atia (*Tangail*) | ..... | ..... | ..... | ..... | 0·32 | ..... | ..... | 1 | 0·32 | 1·04 | 0·55 | 38·88 | 55·52 |
| | | Mymensingh | ..... | ..... | ..... | ..... | 0·08 | 0·30 | ..... | 2 | 0·38 | 0·57 | 0·49 | 69·81 | 74·03 |
| | | Jamalpore ... | ..... | ..... | ..... | ..... | 1·53 | 0·05 | ..... | 2 | 1·58 | 1·84 | 0·57 | 65·49 | 65·34 |
| | | Netrokona ... | ..... | ..... | ..... | ..... | 0·01 | 0·17 | ..... | 2 | 0·18 | 0·30 | 0·43 | 77·62 | 71·76 |
| | | *Subornakhali* | ..... | ..... | ..... | ..... | 2·24 | | | | | | ? | | ? |
| | | *Durgapore* ... | ..... | ..... | ..... | ..... | ..... | 1·60 | ..... | 1 | 1·60 | 1·90 | ? | 109·81 | ? |
| | | *Sherepore town* | ..... | ..... | ..... | ..... | 0·62 | 0·87 | ..... | 2 | 1·49 | 1·66 | ? | ? | ? |
| | | *Dewanganj* ... | | | | | | | | | | | ? | | ? |
| NORTH BENGAL. | Pubna ... | Pubna ... | ..... | ..... | ..... | ..... | 0·53 | ..... | ..... | 1 | 0·53 | 0·53 | 0·43 | 40·19 | 53·02 |
| | | Serajgunge ... | ..... | ..... | ..... | ..... | 0·33 | ..... | ..... | 1 | 0·33 | 2·12 | 0·47 | 43·89 | 52·81 |
| | Bogra ... | Sherpore ... | ..... | ..... | ..... | ..... | 0·55 | 0·15 | ..... | 2 | 0·70 | 1·36 | 0·36 | 42·59 | 57·81 |
| | | Nowkhilla ... | ..... | ..... | ..... | ..... | 0·40 | 0·79 | ..... | 2 | 1·19 | 1·44 | 0·35 | 50·67 | 54·72 |
| | | Bogra ... | ..... | ..... | ..... | ..... | 0·58 | 1·00 | ..... | 2 | 1·58 | 2·02 | 0·71 | 42·87 | 60·86 |
| | | Panchbibi ... | ..... | ..... | ..... | ..... | 1·20 | 1·82 | ..... | 3 | 3·02 | 3·25 | 0·34 | 46·44 | 55·79 |
| | Rajshahye ... | Beauleah ... | ..... | ..... | ..... | ..... | 1·25 | 0·02 | ..... | 2 | 1·27 | 1·78 | 0·52 | 32·85 | 53·03 |
| | | Nattore ... | ..... | ..... | ..... | ..... | 1·32 | 0·15 | ..... | 2 | 1·47 | 2·70 | 0·70 | 61·93 | 55·01 |
| | | *Naogaon* ... | ..... | ..... | ..... | ..... | 0·99 | 1·31 | ..... | 2 | 2·30 | 2·81 | ? | 38·78 | ? |
| | | *Lalpore* ... | ..... | ..... | ..... | ..... | 0·50 | 0·38 | ..... | 2 | 0·88 | 0·88 | ? | 39·65 | ? |
| | | *Mando* ... | ..... | ..... | ..... | ..... | 1·20 | 1·20 | ..... | 2 | 2·40 | 3·00 | ? | 32·64 | ? |
| | Maldah ... | Maldah ... | ..... | ..... | ..... | ..... | 0·68 | 2·68 | 0·03 | 3 | 3·39 | 3·92 | 0·48 | 51·58 | 51·76 |
| | | Chanchal ... | ..... | ..... | ..... | ..... | 0·76 | 1·25 | ..... | 2 | 2·01 | 2·14 | 0·64 | 35·07 | 56·83 |
| | | *Gajol* ... | ..... | ..... | ..... | ..... | 0·99 | 1·60 | ..... | 2 | 2·59 | 2·59 | ? | 32·58 | ? |
| | | *Sibganj* ... | ..... | ..... | ..... | ..... | 2·18 | 0·34 | ..... | 2 | 2·52 | 2·69 | ? | 48·35 | ? |
| | Dinagepore ... | Mohadebpore | ..... | ..... | ..... | 0·50 | 2·15 | ..... | ..... | 2 | 2·65 | 3·28 | 0·29 | 40·72 | 58·34 |
| | | Churamon ... | ..... | ..... | ..... | ..... | 0·89 | 1·97 | ..... | 2 | 2·86 | 3·10 | 0·38 | 49·07 | 53·19 |
| | | Raigunge ... | ..... | ..... | ..... | ..... | 0·79 | 2·10 | ..... | 2 | 2·89 | 3·04 | 0·57 | 52·21 | 59·29 |
| | | Dinagepore .. | ..... | ..... | ..... | ..... | 0·20 | 2·16 | ..... | 2 | 2·36 | 2·42 | 0·46 | 59·22 | 64·94 |
| | | Baloorghat .. | ..... | ..... | ..... | ..... | 0·93 | 1·81 | ..... | 2 | 2·74 | 2·95 | 0·28 | 41·62 | 53·38 |
| | | Thakoorgaon ... | ..... | ..... | ..... | ..... | 0·57 | 1·90 | ..... | 2 | 2·47 | 2·47 | ? | 52·45 | ? |
| | Rungpore ... | Bhawanigunge (*Gyabanda*). | ..... | ..... | ..... | ..... | 1·16 | 1·45 | ..... | 2 | 2·61 | 2·79 | 0·40 | 48·04 | 61·67 |
| | | Rungpore ... | ..... | ..... | ..... | ..... | 0·37 | 2·12 | ..... | 2 | 2·49 | 2·75 | 0·62 | 54·37 | 74·89 |
| | | Kurigram ... | ..... | ..... | ..... | ..... | ..... | 2·24 | ..... | 1 | 2·24 | 2·36 | 0·54 | 75·90 | 73·57 |
| | | Bagdogra (*Nilphamari*). | ..... | ..... | ..... | ..... | 0·40 | 1·70 | 0·02 | 3 | 2·12 | 2·30 | 0·55 | 53·25 | 85·25 |
| | | *Ulipore* ... | ..... | ..... | ..... | ..... | 0·26 | 1·24 | ..... | 2 | 1·50 | 1·50 | ? | 55·90 | ? |
| | Julpigoree ... | Julpigoree ... | ..... | ..... | ..... | ..... | 0·64 | 1·36 | ..... | 2 | 2·00 | 2·46 | 0·56 | 106·22 | 117·70 |
| | | *Alipore Doar* | ..... | ..... | ..... | ..... | 0·60 | 1·08 | ..... | 2 | 1·68 | 1·68 | ? | 81·34 | ? |
| | | *Fallacotta* ... | ..... | ..... | ..... | ..... | 0·43 | 1·08 | ..... | 2 | 1·51 | 1·70 | ? | 91·77 | ? |
| | | *Debiganj* ... | ..... | ..... | ..... | ..... | 0·40 | 1·88 | ..... | 2 | 2·28 | 2·28 | ? | 62·62 | ? |
| | | *Bhogotpore* | ..... | ..... | ..... | ..... | 0·70 | 0·98 | 0·37 | 3 | 2·05 | 2·05 | ? | ? | ? |
| | | *Nagrakatta* ... | | | | | | | | | | | | | |
| | Cooch Behar... | Dhuatta ... | ..... | ..... | ..... | ..... | 0·31 | 1·85 | ..... | 2 | 2·16 | 2·16 | 0·52 | 91·95 | 93·05 |
| | | Cooch Behar... | ..... | ..... | ..... | ..... | 0·40 | 1·27 | ..... | 2 | 1·67 | 2·62 | 0·49 | 91·88 | 118·54 |
| | | Mickliguuze... | ..... | ..... | ..... | ..... | 0·45 | 1·43 | ..... | 2 | 1·88 | 1·88 | 0·36 | 76·48 | 108·14 |
| | | Matabhanga... | ..... | ..... | ..... | ..... | 0·40 | 1·30 | ..... | 2 | 1·70 | 1·72 | 0·36 | 74·26 | 116·84 |
| | Darjeeling Hill. | Buxa ... | ..... | ..... | ..... | ..... | 0·50 | 1·35 | 0·10 | 3 | 1·95 | 2·33 | 1·16 | 157·69 | 192·83 |
| | | Silliguri ... | ..... | ..... | ..... | ..... | 0·66 | 1·40 | ..... | 2 | 2·06 | 2·06 | 0·68 | 83·63 | 103·71 |
| | | Darjeeling ... | ..... | ..... | ..... | ..... | 0·84 | 1·50 | ..... | 2 | 2·34 | 2·85 | 0·67 | 90·02 | 108·77 |
| | | Kalimpong ... | ..... | ..... | ..... | ..... | 1·02 | 1·48 | ..... | 2 | 2·50 | 2·92 | 1·10 | 71·14 | 83·55 |
| BEHAR | Purneah ... | Kissengunge... | ..... | ..... | ..... | ..... | 0·58 | 1·40 | ..... | 2 | 1·98 | 1·98 | 0·66 | 49·36 | 70·54 |
| | | Arrareah ... | ..... | ..... | ..... | ..... | 0·89 | 1·30 | ..... | 2 | 2·19 | 2·19 | 0·55 | 53·11 | 65·85 |
| | | Purneah ... | ..... | ..... | ..... | ..... | 1·16 | 1·27 | ..... | 2 | 2·43 | 2·58 | 0·49 | 46·47 | 61·45 |
| | | *Gondwara* ... | | | | | | | | | | | ? | | ? |
| | | *Balarampore*.. | ..... | ..... | ..... | ..... | 0·97 | 1·80 | ..... | 2 | 2·77 | 2·90 | ? | ? | ? |
| | | *Matiari* ... | ..... | ..... | ..... | ..... | 2·38 | 0·43 | ..... | 2 | 2·81 | 2·81 | ? | ? | ? |
| | | *Kaliaganj* ... | ..... | ..... | ..... | ..... | 0·45 | 1·17 | ..... | 2 | 1·62 | 1·62 | ? | 59·31 | ? |
| | North Bhagulpore. | Maddapore ... | 0·62 | ..... | ..... | ..... | 1·22 | | | | | | 0·48 | | 49·71 |
| | | Soopool ... | ..... | ..... | ..... | ..... | 1·23 | 2·05 | ..... | 2 | 3·27 | 3·37 | 0·47 | 44·53 | 48·44 |
| | | *Protabganj* ... | ..... | ..... | ..... | 0·20 | 2·57 | 0·15 | ..... | 3 | 2·92 | 2·92 | ? | 40·70 | ? |
| | Durbhunga ... | Tajpore ... | ..... | ..... | ..... | ..... | 1·88 | 2·00 | ..... | 2 | 3·88 | 4·18 | 0·69 | 44·28 | 45·25 |
| | | Durbhunga ... | ..... | ..... | ..... | ..... | 1·29 | 1·71 | ..... | 2 | 3·00 | 3·23 | 0·57 | 38·44 | 46·03 |
| | | Madhubani ... | ..... | ..... | ..... | 0·04 | 1·13 | 1·13 | ..... | 3 | 2·29 | 2·73 | 0·89 | 43·45 | 45·25 |
| | | *Bahera* ... | ..... | ..... | ..... | 0·03 | 1·48 | 1·97 | ..... | 3 | 3·48 | 3·61 | ? | 54·61 | ? |
| | | *Roshera* ... | ..... | ..... | ..... | ..... | 2·25 | 0·62 | ..... | 2 | 2·87 | 3·33 | ? | 46·19 | ? |
| | Mozufferpore | Sitamarhi ... | ..... | ..... | ..... | ..... | 1·55 | 2·20 | ..... | 2 | 3·75 | 3·93 | 0·60 | 35·64 | 43·23 |
| | | Mozufferpore | ..... | ..... | ..... | ..... | 1·52 | 1·27 | ..... | 2 | 2·79 | 3·44 | 0·85 | 44·39 | 44·73 |
| | | Hajipore ... | ..... | ..... | ..... | 0·06 | 1·28 | 0·42 | ..... | 3 | 1·76 | 1·92 | 0·68 | 47·42 | 42·99 |
| | | *Paru* ... | ..... | ..... | ..... | ..... | 0·43 | 0·50 | ..... | 2 | 0·93 | 1·48 | ? | 38·29 | ? |
| | | *Mahua* ... | ..... | ..... | ..... | ..... | 1·40 | 0·89 | ..... | 2 | 2·29 | 2·89 | ? | 38·98 | ? |
| | | *Suhar* ... | ..... | ..... | ..... | ..... | ..... | 2·42 | ..... | 1 | 2·42 | 2·42 | ? | 30·69 | ? |
| | | *Pupri* ... | ..... | ..... | ..... | ..... | 1·23 | 1·00 | ..... | 2 | 2·23 | 2·49 | ? | 25·50 | ? |
| | Chumparun... | Motihari ... | ..... | ..... | ..... | 0·14 | 0·95 | 1·26 | 0·26 | 4 | 2·61 | 2·84 | 0·67 | 38·38 | 41·77 |
| | | Bettiah ... | ..... | ..... | ..... | 0·15 | 0·61 | 0·83 | ..... | 3 | 1·59 | 1·81 | 0·75 | 47·39 | 48·41 |
| | | *Bagaha* ... | ..... | ..... | ..... | 0·19 | 0·52 | 1·90 | ..... | 3 | 2·61 | 2·89 | ? | 54·89 | ? |
| | | *Barkurwa* ... | ..... | ..... | ..... | 0·07 | 1·12 | 1·15 | ..... | 3 | 2·44 | 2·88 | ? | 41·54 | ? |

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 1st of February 1889—concl

| Meteorological Division. | District. | Station. | Rainfall. Saturday, 26th January 1889. | Sunday, 27th January. | Monday, 28th January. | Tuesday, 29th January. | Wednesday, 30th January. | Thursday, 31st January. | Friday, 1st February. | Total: Number of rainy days. | Total: Rainfall of week. | Total rainfall since 1st of January. | Average total rainfall from 1st of January. | Total rainfall since 15th May 1888. | Ave... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| North Behar —concluded. | Sarun | Gopalgunge ... | ..... | ..... | ..... | 0·09 | 1·27 | 1·40 | ..... | 3 | 2·76 | 3·29 | 0·59 | 39·29 | |
| | | Sewan ... | ..... | ..... | ..... | ..... | 1·04 | 0·63 | ..... | 2 | 1·67 | 2·60 | 0·79 | 43·18 | |
| | | Chuprah ... | ..... | ..... | ..... | ..... | 1·19 | 0·44 | ..... | 2 | 1·63 | 2·09 | 0·70 | 37·78 | |
| South Behar | Shahabad ... | Buxar ... | ..... | ..... | ..... | ..... | 0·67 | 0·31 | ..... | 2 | 0·98 | 1·33 | 0·83 | 42·07 | |
| | | Dehree ... | ..... | ..... | ..... | ..... | 0·15 | 0·21 | ..... | 2 | 0·36 | 0·49 | 0·81 | 43·97 | |
| | | Bhubooah ... | ..... | ..... | ..... | ..... | 0·10 | ..... | ..... | 1 | 0·10 | 0·50 | 0·72 | 40·67 | |
| | | Sasseram ... | ..... | ..... | ..... | ..... | 0·20 | 0·10 | ..... | 2 | 0·30 | 0·50 | 0·56 | 42·23 | |
| | | Arrah ... | ..... | ..... | ..... | ..... | 0·90 | 0·55 | ..... | 2 | 1·45 | 1·64 | 0·73 | 45·08 | |
| | | *Mohaniah* ... | | | | | | | | | | | ? | | |
| | Gya ... | Aurungabad ... | ..... | ..... | ..... | ..... | 0·57 | ..... | ..... | 1 | 0·57 | 0·65 | 0·62 | 53·97 | |
| | | Gya ... | ..... | ..... | ..... | 0·12 | 0·55 | ..... | ..... | 1 | 0·67 | 0·72 | 0·63 | 52·08 | |
| | | Nowadah ... | ..... | ..... | ..... | ..... | 1·75 | 0·10 | ..... | 2 | 1·85 | 2·12 | 0·82 | 49·07 | |
| | | Jehanabad ... | ..... | ..... | ..... | ..... | 1·77 | 0·02 | ..... | 2 | 1·79 | 1·90 | 0·75 | 47·19 | |
| | | *Arwal* ... | ..... | ..... | ..... | ..... | 0·58 | 0·15 | ..... | 2 | 0·73 | 0·92 | ? | 38·31 | |
| | | *Daudnagar* ... | ..... | ..... | ..... | ..... | 0·40 | ..... | ..... | 1 | 0·40 | 0·40 | ? | 42·76 | |
| | | *Sherrghati* ... | ..... | ..... | ..... | ..... | 0·40 | 0·80 | ..... | 2 | 1·20 | 1·41 | ? | 34·25 | |
| | | *Rajauli* ... | | | | | 1·00 | | | | | | ? | | |
| | | *Pakri Barawan* | ..... | ..... | ..... | ..... | | | | | | | ? | | |
| | Patna ... | Patna ... | ..... | ..... | ..... | ..... | 1·68 | 0·27 | ..... | 2 | 1·95 | 2·12 | 0·63 | 41·74 | |
| | | Dinapore ... | ..... | ..... | ..... | ..... | 1·23 | 0·77 | ..... | 2 | 2·00 | 2·00 | 0·58 | 43·70 | |
| | | Behar ... | ..... | ..... | ..... | ..... | 1·82 | | | | | | 0·71 | | |
| | | Barrh ... | ..... | ..... | ..... | ..... | 2·48 | 0·37 | ..... | 2 | 2·85 | 3·13 | 0·49 | 56·70 | |
| | | *Bickram* ... | ..... | ..... | ..... | ..... | 0·90 | | | | | | ? | | |
| | | *Hilsa* ... | ..... | ..... | ..... | ..... | 1·65 | 0·21 | ..... | 2 | 1·86 | 1·88 | ? | 47·69 | |
| | | | | | | | | | | | | | | | |
| | Monghy | Begoosarai ... | ..... | ..... | ..... | ..... | 2·60 | 0·31 | ..... | 2 | 2·91 | 3·15 | 0·70 | 49·22 | |
| | | Monghyr ... | ..... | ..... | ..... | ..... | 2·01 | 0·13 | ..... | 2 | 2·14 | 2·30 | 0·51 | 55·91 | |
| | | Jamui ... | ..... | ..... | ..... | ..... | 2·14 | ..... | ..... | 1 | 2·14 | 2·48 | 0·72 | 51·29 | |
| | | *Gopri* ... | ..... | ..... | ..... | ..... | 2·67 | 2·46 | ..... | 2 | 5·13 | 5·45 | ? | 64·04 | |
| | | *Sheikpura* ... | ..... | ..... | ..... | ..... | 1·45 | | | | | | ? | | |
| | South Bhagulpore. | Bhaugulpore ... | ..... | ..... | ..... | ..... | 1·58 | 0·08 | ..... | 2 | 1·66 | 2·03 | 0·56 | 55·03 | |
| | | Banka ... | ..... | ..... | ..... | ..... | 3·05 | 0·06 | ..... | 2 | 3·11 | 3·54 | 0·62 | 43·22 | |
| | | *Kolgong* ... | ..... | ..... | ..... | ..... | 1·53 | 0·80 | ..... | 2 | 2·13 | 2·32 | ? | 52·70 | |
| | | | | | | | | | | | | | | | |
| | Sonthal Perguannahs | Rajmehal ... | ..... | ..... | ..... | ..... | 0·99 | 0·77 | ..... | 2 | 1·76 | 2·34 | 0·23 | 47·90 | |
| | | Godda ... | ..... | ..... | ..... | ..... | 3·25 | 0·20 | ..... | 2 | 3·45 | 3·65 | 0·49 | 51·29 | |
| | | Pakour ... | ..... | ..... | ..... | ..... | 2·74 | ..... | ..... | 1 | 2·74 | 2·82 | 0·25 | 64·35 | |
| | | Nya Doomka | ..... | ..... | ..... | ..... | 1·46 | 0·26 | ..... | 2 | 1·72 | 2·02 | 0·61 | 53·29 | |
| | | Deoghur ... | ..... | ..... | ..... | ..... | 1·50 | 0·08 | ..... | 2 | 1·58 | 1·49 | 0·52 | 53·36 | |
| | | Jamtara ... | ..... | ..... | ..... | ..... | 0·72 | ..... | ..... | 1 | 0·72 | 1·02 | 0·44 | 56·33 | |
| | | *Mohagama* ... | ..... | ..... | ..... | ..... | 1·15 | 0·20 | ..... | 2 | 1·35 | 1·41 | ? | 23·00 | |
| | | *Nanihat* ... | ..... | ..... | ..... | ..... | 0·81 | 0·03 | ..... | 2 | 0·84 | 0·84 | | | |
| | | | | | | | 1·24 | ..... | ..... | 1 | 1·24 | 1·45 | 0·40 | 54·87 | |
| Chutia Nagpur. | Hazaribagh ... | Pachamba (*Giridi*). | ..... | ..... | ..... | ..... | 0·20 | ..... | ..... | 1 | 0·20 | 0·44 | 0·65 | 54·03 | |
| | | Hazaribagh ... | ..... | ..... | ..... | 0·20 | | ..... | ..... | 1 | 0·20 | 0·77 | 0·59 | 55·09 | |
| | | Semtagurah ... | ..... | ..... | ..... | | | | | | | | 0·80 | | |
| | | Mahudi Hills | | | | | | | | | | | 0·75 | | |
| | | Jhoomra Hills | | | | | | | | | | | ? | | |
| | | *Barhi* ... | | | | | 0·05 | | | | | | ? | | |
| | | *Chatra* ... | ..... | ..... | ..... | ..... | 1·10 | 0·80 | ..... | 2 | 1·90 | 2·00 | ? | 53·53 | |
| | | *Karagdeha* ... | ..... | ..... | ..... | ..... | | | | | | | ? | | |
| | | *Ramghar* ... | | | | | | | | | | | 1·10 | | |
| | | | | | | 0·31 | | | | | | | 0·75 | | |
| | Lohardugga ... | Lohardugga ... | ..... | ..... | ..... | | | | | | | | 0·77 | | |
| | | Kanchi ... | | | | | 0·75 | | | | | | ? | | |
| | | Palamow ... | ..... | ..... | ..... | ..... | | | | | | | ? | | |
| | | *Silli* ... | | | | | | | | | | | ? | | |
| | | *Balumat* ... | | | | ..... | 0·89 | 0·20 | ..... | 2 | 1·09 | 1·09 | ? | | |
| | | *Hossinabad* ... | ..... | ..... | ..... | 0·25 | | | | | | | | | |
| | | *Garwah* ... | ..... | ..... | ..... | | | | | | | | 0·81 | 40·65 | |
| | | | | | | 0·21 | ..... | ..... | ..... | 1 | 0·21 | 0·21 | ? | | |
| | Singbhoom ... | Chyebassa ... | ..... | ..... | ..... | | | | | | | | ? | | |
| | | *Chakradharpore.* | | | | | | | | | | | ? | | |
| | | *Ghatsilla* ... | ..... | ..... | ..... | 0·25 | | | | | | | | | |
| | | *Baharagura* ... | | | | | | | | | | | | | |
| | | | | | | | 0·86 | ..... | ..... | 1 | 0·86 | 0·98 | 0·58 | 57·49 | |
| | Manbhoom ... | Purulia ... | ..... | ..... | ..... | ..... | 0·65 | ..... | ..... | 1 | 0·65 | 0·77 | 0·81 | 36·95 | |
| | | Gobindpore ... | ..... | ..... | ..... | ..... | 0·44 | ..... | ..... | 1 | 0·44 | 0·53 | ? | 53·33 | |
| | | *Kashunathpore.* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | | |
| | | *Barrabhoom* ... | ..... | ..... | ..... | ..... | | | | | | | | | |
| | | *Jhalda* ... | | | | | | | | | | | | | |
| | | *Chas* ... | | | | | | | | | | | | | |

*Explanation.*—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 5th February* 1889.

## SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 1st FEBRUARY 1889.

THE week commenced with fine settled weather everywhere, pressure was generally a little above the normal, and was increasing with moderate rapidity; temperature was high, and was also undergoing slight irregular upward changes; winds were northerly, and humidity fairly low. The important changes have been, first, the fall of pressure, which began everywhere on Sunday, and continued in North Bengal till the end of the week; second, the rapid fall which occurred in Bengal about the middle of the week in consequence of the eastward movement of the low-pressure areas in Central and Northern India; third, the rapid increase of humidity and temperature, and the general rainfall lasting almost everywhere for about two days.

The fine weather with which the week commenced continued everywhere in Bengal till Monday, and except Behar and South Bengal till Tuesday. The barometer continued rising on Saturday, but on the following day the fall set in, and continued without interruption for some days. During these days changes of temperature were somewhat irregular, but generally it was falling slightly on Saturday and Sunday, and rising about the same the following two days. On Monday the fall of pressure was fairly rapid in South-West Bengal, and on Tuesday it fell there more rapidly. The greatest change on Tuesday, however, was in the extreme north-west of the province, where pressure gave way about a tenth of an inch. The humidity and temperature increased, and the wind direction in South-West Bengal became south-westerly, forming part of the cyclonic circulation of winds in Central India. The sky was overcast in Behar and Assam, and a few showers fell in parts of these districts and South-West Bengal, the heaviest fall being 1·6 inches at Midnapore. On Wednesday the barometer continued to fall, and the disturbed conditions extended over the whole province. Except in Orissa, rain fell everywhere, more especially in Behar and some parts of South-West Bengal. The south-westerly winds had extended over almost the whole province, and the temperature was still increasing. On Thursday the centre of the disturbance was over Bengal; the barometer fell rapidly in South Bengal, in some parts as much as an eighth of an inch. Wind force increased, and the cyclonic motion was more distinct. Though cloud still continued, there was general rain only in North Behar and North Bengal, but in parts of these districts more than two inches fell. The temperature still rose, and humidity remained high. The depression passed rapidly over Bengal, and on Friday was on the extreme east of the province. In the north and east pressure was still falling, but in the west it began to rise rather rapidly. Rain had almost ceased to fall, except in East Bengal, and temperature and humidity were beginning to be reduced. The disturbed conditions began on the same day in the north-west and south-west corners of the province, and after affecting the weather conditions everywhere during the latter half of the week, passed off to the east.

*Pressure.*—Pressure changes have been, except as to intensity, of the same nature during almost the whole week. On Saturday, the first day of the week, the barometer rose in some cases with considerable rapidity. In parts of Behar and North Bengal the rise was over a tenth of an inch. After that a fall everywhere set in, slowly and irregularly at first, but with increasing intensity, especially in Behar and South-West Bengal. Up till Tuesday the greatest fall was a tenth of an inch at Patna on the 29th. Considerable falls occurred on the two following days, and altogether the reduction became about a quarter of an inch in Behar. During these days slight falls had been occurring in the southern districts, but they rarely exceed a twentieth of an inch. On Thursday, however, the barometer fell much more rapidly in South-West and East Bengal. At Midnapore the reduction amounted to three-tenths of an inch. The total fall of pressure at Midnapore is therefore considerably greater than at any of the stations in Behar. The total fall at Burdwan and Balasore was in each case about ·25″. The centre of the low pressure area must therefore have passed near Midnapore. Thus two low pressure areas almost simultaneously entered Bengal—one from the north-west over Behar, the other of a little greater intensity from Central India. On Thursday there was a distinct depression passing eastward over Bengal. It moved away rapidly, and on Friday the pressure was rising on the west of the province

*Temperature.*—At the beginning of the week, temperature, though generally in excess, was only slightly so except in Orissa. On Saturday Cuttack had an excess of 8°. On the two following days the changes were generally small, and the excess amounts became very little altered. During these three days the temperature in Behar was about normal. On the 29th a general rise set in, causing everywhere an excess of three to four degrees, the greatest being 7·8° at Calcutta. On Wednesday, the 30th and Thursday small irregular rises were general, and in many places continued on Friday but the increase was usually small, and on the west of the province the temperature had begun to fall. The temperature has therefore been increasing, though slowly, during almost the whole week, and the mean for the week is, except in the north, considerably in excess. In Orissa and Chutia Nagpur the excess is about 5°.

The general range and distribution of temperature for the week, and its variation from the normal, is shown in the following table, where the average, maximum, minimum, and

mean temperatures at nine typical stations in the province are compared with the normal values for the same period:—

*Table showing the excess or defect of the actual mean temperature from the normal for the week ending 1st February 1889.*

| | Normal mean maximum temperature for the week ending 1st February. | Actual mean maximum temperature for the week ending 1st February 1889. | Variation of actual mean from the normal. | Normal mean minimum temperature for the week ending 1st February. | Actual mean minimum temperature for the week ending 1st February 1889. | Variation of actual mean from the normal. | Normal mean daily temperature for the week ending 1st February. | Actual mean daily temperature for the week ending 1st February 1889. | Variation of actual mean from the normal. |
|---|---|---|---|---|---|---|---|---|---|
| Cuttack ... ... ... ... ... | 86·1 | 89·5 | +3·4 | 61·5 | 67·5 | +6·0 | 73·8 | 78·5 | +4·7 |
| Calcutta ... ... ... ... ... | 78·7 | 80·6 | +1·9 | 56·6 | 60·2 | +3·6 | 67·7 | 70·4 | +2·7 |
| Dacca ... ... ... ... ... | 78·9 | 81·0 | +2·1 | 55·4 | 57·5 | +2·1 | 67·2 | 69·2 | +2·0 |
| Burdwan ... ... ... ... ... | 79·3 | 82·6 | +3·3 | 55·6 | 59·2 | +3·6 | 67·5 | 70·9 | +3·4 |
| Patna ... ... ... ... ... | 74·0 | 70·8 | −3·2 | 49·7 | 53·4 | +3·7 | 61·8 | 62·1 | +0·3 |
| Gya ... ... ... ... ... | 76·8 | 77·2 | +0·4 | 53·1 | 57·1 | +4·0 | 65·0 | 67·2 | +2·2 |
| Purneah ... ... ... ... ... | 75·9 | 74·1 | −1·8 | 48·6 | 51·4 | +2·8 | 62·2 | 62·8 | +0·6 |
| Hazaribagh ... ... ... ... ... | 73·8 | 76·5 | +2·7 | 51·2 | 55·6 | +4·4 | 62·5 | 66·1 | +3·6 |
| Darjeeling ... ... ... ... ... | 43·7 | 46·2 | +2·5 | 33·7 | 36·0 | +2·3 | 38·7 | 41·1 | +2·4 |

*Rainfall.*—Rain commenced to fall in South-West Bengal and Behar on Tuesday, the 29th, and became general over the whole province the following day. The largest falls were in one or two cases over three inches in South Behar; but at many places in Behar and North Bengal, and at a few in South-West Bengal, more than two inches fell. The rain continued in North and East Bengal on Thursday, but was practically absent from South-West Bengal and Orissa. In some cases heavy showers fell on Friday in East Bengal, one station reporting almost two inches. The average fall has been largest in North Behar, amounting to nearly two and-a-half inches. The average in North Bengal is exactly two inches, and in South Behar very nearly two. South-West Bengal received only three-quarters of an inch, but the fall there, though general, was very irregular. In Orissa the average is little over a twentieth of an inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 1st February 1889:—

| Meteorological Divisions. | Temperature | | | | | | Rainfall. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Averages for week. | | | | Of week. | | | Rainy days. | | | Since 1st of month. | | Since 15th May 1888. | |
| | Highest observed during week. | Lowest observed during week. | Of highest of each day. | Of lowest of each day. | Of mean for each day. | Average mean of week above or below normal mean of week. | Average. | Normal average. | Variation. | Average number in week. | Normal average number in week. | Variation. | Average. | Normal average. | Average. | Normal average. |
| Orissa ... ... ... | 91·9 | 60·1 | 84·4 | 68·2 | 76·3 | +4·9 | 0·06 | 0·22 | −0·16 | 0·2 | 0·4 | −0·2 | 0·06 | 0·40 | 50·54 | 53·30 |
| South-West Bengal ... | 87·3 | 49·9 | 81·3 | 60·9 | 70·6 | +3·8 | 0·79 | 0·20 | +0·59 | 1·4 | 0·5 | +0·9 | 0·88 | 0·52 | 53·38 | 52·06 |
| East Bengal ... ... | 85·6 | 49·6 | 80·1 | 56·0 | 68·1 | +3·2 | 0·61 | 0·21 | +0·40 | 1·4 | 0·4 | +1·0 | 0·72 | 0·61 | 71·29 | 74·36 |
| North Bengal ... ... | 81·6 | 46·0 | 75·5 | 53·2 | 64·4 | +2·5 | 2·00 | 0·15 | +1·85 | 2·0 | 0·4 | +1·6 | 2·39 | 0·47 | 55·56 | 70·49 |
| North Behar ... ... | 79·2 | 44·9 | 67·6 | 51·6 | 59·6 | −1·7 | 2·43 | 0·21 | +2·22 | 2·4 | 0·5 | +1·9 | 2·73 | 0·65 | 44·34 | 48·83 |
| South Behar ... ... | 82·8 | 47·4 | 74·0 | 54·8 | 64·4 | +2·1 | 1·73 | 0·17 | +1·56 | 1·8 | 0·4 | +1·4 | 1·95 | 0·61 | 50·14 | 45·91 |
| Chutia Nagpur ... ... | 82·5* | 49·2* | 77·9* | 55·3* | 66·6* | +4·7* | 0·80 | 0·19 | +0·61 | 1·0 | 0·5 | +0·5 | 1·07 | 0·71 | 51·24 | 49·63 |

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
*The 4th February* 1889.

C. LITTLE,
*For Offg. Meteorological Reporter to the Govt. of Bengal.*

## Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of January 1889.

| | | | |
|---|---|---|---|
| | Inches. | Date. | Hour. |
| The mean pressure of the month ... ... ... | 30·026 | | |
| The average pressure of January from 24 years' registers ... | 30·014 | | |
| The highest pressure in the month ... ... ... | 30·223 | 7th | 10h. |
| The lowest pressure in the month ... ... ... | 29·807 | 31st | 16h. |
| The range of pressure ... ... ... ... | 0·416 | | |
| | Hours. | | |
| The total number of hours of bright sunshine during the month | 274·5 | | |
| The maximum possible number of hours of sunshine ... | 337·3 | | |
| | ⊖ | | |
| The mean temperature of the month ... ... ... | 67·6 | | |
| The average temperature of January from 24 years' registers ... | 67·7 | | |
| The highest temperature in the month ... ... | 85·6 | 19th. | |
| The lowest temperature in the month ... ... ... | 48 6 | 2nd. | |
| The range of temperature during the month ... ... | 37·0 | | |
| The mean daily range of temperature ... ... ... | 22·3 | | |
| The greatest range of temperature in one day ... ... | 27·3 | 3rd. | |
| | Per cent. | | |
| The mean humidity of the month ... ... ... | 73 | | |
| The average humidity of January from 24 years' registers ... | 71 | | |
| | Inches. | | |
| The mean vapour tension of the month ... ... | 0·486 | | |
| The average vapour tension of January from 9 years' registers | 0·467 | | |
| The mean cloud proportion of the month ... ... | 1·21 | | |
| The average cloud proportion of January from 12 years' registers ... ... ... .. ... | 1·51 | | |
| | Inches. | | |
| The total rainfall of the month ... ... ... | 0·16 | | |
| The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the guage about 52 feet above the ground) | 0·13 | | |
| The average fall of January from 48 years' registers ... | 0·43 | | |
| The greatest fall in 24 hours ... ... ... | 0·12 | 30th | |
| The number of rainy days in the month ... ... ... | 4 | | |
| The average number of rainy days in January from 24 years' registers ... ... ... ... | 2 | | |
| | ⊖ | | |
| The mean maximum equilibrium temperature of solar radiation during the month ... ... ... ... | 133·6 | | |
| The mean difference of sun and air temperatures ... ... | 54·0 | | |
| The greatest sun temperature ... ... ... | 140·3 | 31st. | |
| The greatest excess of sun over air temperature ... ... | 58·2 | 29th. | |
| The mean temperature of the nocturnal radiation thermometer on woollen cloth ... ... ... ... | 49·4 | | |
| The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ... ... ... ... ... | 8·3 | | |
| The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ... ... | 11 6 | 2nd. | |
| | Miles. | | |
| The mean movement of the wind per day ... ... | 50·8 | | |
| The greatest movement of the wind in one day ... ... | 167·0 | 31st. | |
| The greatest movement of the wind in one hour ... ... | 20·0 | 31st Noon to 1 P.M. | |

The number of hours with winds from each of the 8 points—

N. 90, NE. 30, E. 30, SE. 28, S. 47, SW. 101, W. 110, NW. 104, Calm 204.

---

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 2·5° lower; and finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

C. LITTLE,
*For Offg. Meteorological Reporter to the Govt. of India.*

METEOROLOGICAL OFFICE, INDIA;
*Calcutta, the 4th February* 1889.

## Results of the Meteorological Observations taken at the Alipore Observatory fro 27th January to 2nd February 1889.

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rain. | W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1889. | | ○ | | Inches. | ○ | ○ | ○ | ○ | ○ | Inches | ○ | % | | | Inches. | |
| Jan. | 27th | 131·2 | 9·4 | 30·090 | 67·5 | 79·6 | 23·9 | 55·7 | 60·9 | 0·451 | 56·0 | 69 | NNE, N and WNW | 36 | Nil | Chiefl p. |
| ,, | 28th | 135·2 | 10·0 | ·051 | 70·1 | 80·0 | 21·8 | 59·0 | 64·1 | ·521 | 60·1 | 72 | WNW and NSW ... | 38 | ,, | Partia ≡. |
| ,, | 29th | 139·5 | 8·8 | 29·992 | 72·9 | 81·3 | 16·9 | 64·4 | 68·6 | ·643 | 66·1 | 80 | SE by S and SSW . | 43 | 0·02 | Partia d, p |
| ,, | 30th | 137·4 | 9·4 | ·972 | 71·6 | 82·5 | 20·1 | 62·4 | 66·8 | ·597 | 64·0 | 78 | SSE and variable ... | 136 | 0 12 | Partia o, g, |
| ,, | 31st | 140·3 | 8·3 | ·870 | 72·2 | 83·8 | 21·8 | 61·8 | 68·6 | ·657 | 66·7 | 83 | ESE and SW ... | 148 | 0·01 | Partia d, |
| Feb. | 1st | 133·0 | 9·8 | ·918 | 69·9 | 76·2 | 14·9 | 61·3 | 62·5 | ·484 | 58·0 | 70 | NNW and calm ... | 86 | Nil | Clea |
| ,, | 2nd | 130·6 | 10·3 | 30·026 | 64·2 | 72·7 | 20·4 | 52·3 | 55·0 | ·312 | 46·0 | 55 | NW and calm ... | 69 | ,, | Clear, |

| | Inches. |
|---|---|
| The mean pressure of the seven days ... ... ... ... | 29·988 |
| The average pressure of the corresponding period for 24 years, S. G.'s Office ... | 29·990 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 68·0 |
| The maximum possible number of hours of sunshine ... ... ... | 77·5 |
| | ○ |
| The mean temperature of the seven days ... ... ... ... | 69·6 |
| The average temperature of the corresponding period for 24 years, S. G.'s Office | 69·0 |
| The extreme variation of temperature ... ... ... ... | 31·3 |
| The maximum temperature ... ... ... ... ... | 83·6 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 20 |
| | lbs. |
| The highest pressure of wind on one square foot ... ... ... | 7 |
| | % |
| The mean relative humidity ... ... ... ... ... | 72 |
| The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... ... ... ... ... ... | 71 |
| | Inches. |
| The total fall of rain from 27th January to 2nd February 1889 ... | 0·15 |
| The average fall of the corresponding period for 24 years, S. G.'s Office ... | 0·24 |
| The total fall from 1st January to 2nd February 1889 ... ... | 0·16 |
| The average fall of the corresponding period for 24 years, S. G.'s Office ... | 0·46 |

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermog

The maximum and minimum temperatures are obtained from self-registering thermometers. A thermometers are verified, and the readings have been corrected to a standard constructed and verified Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended fou above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, for at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables comput the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, ⋀ lighting, ⌓ dew, =

C. Little,

*For Offg. Meteorological Reporter to the Govt. of*

Meteorological Office, Govt. of India;

*Calcutta, the 4th February* 1889.

## Abstract of the Results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of January 1889.

| | | | Date. |
|---|---|---|---|
| | | ⊖ | |
| The mean temperature during the month | ... | 69·1 | |
| The highest temperature during the month | ... | 87·0 | 19th. |
| The lowest temperature during the month | ... | 48·9 | 3rd. |
| The range of temperature during the month | ... | 38·1 | |
| The mean daily range of temperature during the month | ... | 23·3 | |
| The greatest range of temperature in one day during the month | ... | 29·0 | 3rd. |
| | | % | |
| The mean humidity during the month | ... | 70 | |
| | | Inches. | |
| The mean vapour tension during the month | ... | ·505 | |
| The total rainfall of the month | ... | 0·17 | |
| The greatest fall in 24 hours | ... | 0·15 | 30th. |
| | | Days. | |
| The number of rainy days in the month | ... | 2 | |

C. LITTLE,
*For Offg. Meteorological Reporter to the Govt. of India.*

METEOROLOGICAL OFFICE, INDIA;
*The 4th February* 1889.

## Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 27th January to 2nd February 1889.

| Month. | Date. | Temperature. | | | | Wet bulb, 10 A.M. | Hygrometry. | | | Rain. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 A.M. | Maximum. | Range. | Minimum. | | Vapour tension. | Dew point. | Humidity. | |
| 1889. | | ° | ° | ° | ° | ° | Inches. | ° | % | Inches. |
| January ... | 27th ... | 72·2 | 81·4 | 25·0 | 56·4 | 61·7 | ·411 | 53·5 | 52 | |
| ,, ... | 28th ... | 74·6 | 83·4 | 23·5 | 59·9 | 64·1 | ·459 | 56·6 | 51 | |
| ,, ... | 29th ... | 76·9 | 83·4 | 18·4 | 65·0 | 69·9 | ·639 | 66·0 | 69 | |
| ,, ... | 30th ... | 74·0 | 84·9 | 22·2 | 62·7 | 67·8 | ·598 | 64·0 | 71 | 0·15 |
| ,, ... | 31st ... | 79·1 | 85·9 | 24·0 | 61·9 | 72·1 | ·694 | 68·4 | 70 | |
| February ... | 1st ... | 70·6 | 77·9 | 16·5 | 61·4 | 64·6 | ·530 | 60·6 | 71 | |
| ,, ... | 2nd ... | 67·6 | 74·9 | 20·8 | 54·1 | 55·7 | ·287 | 43·8 | 42 | |

| | | |
|---|---|---|
| | | ° |
| The mean temperature at 10 A.M. of the seven days | ... | 73·6 |
| The extreme variation of temperature | ... | 31·8 |
| The maximum temperature | ... | 85·9 |
| | | % |
| The mean relative humidity at 10 A.M. of the seven days | ... | 61 |
| | | Inches. |
| The total fall of rain from 27th January to 2nd February 1889 | ... | 0·15 |

METEOROLOGICAL OFFICE, INDIA;
*The 4th February* 1889.

C. LITTLE,
*For Offg. Meteorological Reporter to the Govt. of India*

## MEMORANDUM.

For the week ending 19th January 1889 the returns from the principal Municipalities in Bengal present the following results.

1. The ratios per *mille* of births stood at 24·8, as opposed to 25·9 during the preceding week ending 12th January, and of deaths at 24·1 against 26·6. There was thus a retrogression in the registration of both births and deaths.

2. The following Municipalities registered the highest proportions of births and deaths :—

*Births.*

| | Ratio per *mille*. |
|---|---|
| Monghyr ... ... ... | 49·7 |
| Utterpara ... ... ... | 47·2 |
| Narainganj ... ... ... | 45·5 |
| Rampore Beauleah ... ... | 42·0 |
| Santipore ... ... ... | 36·8 |
| Bhagulpore ... ... ... | 36·2 |
| Purneah ... ... ... | 31·2 |
| Durbhanga ... ... ... | 29·9 |
| Hughli ... ... ... | 29·5 |
| Serampore ... ... ... | 29·4 |

*Deaths.*

| | Ratio per *mille*. |
|---|---|
| Narainganj ... ... ... | 82·8 |
| Utterpara ... ... ... | 47·2 |
| Purneah ... ... ... | 45·0 |
| Puri ... ... ... | 39·9 |
| Suburbs of Calcutta ... ... | 39·3 |
| Serampore ... ... ... | 33·4 |
| Bali ... ... ... | 31·6 |
| Hughli ... ... ... | 30·9 |

3. The only noticeable point in connection with the incidence of the specific diseases, in comparison with the outcome of the preceding week, is a sensible abatement in the mortality from fever—*vide* subjoined table :—

| | Ratio per *mille* during the weeks ending— | |
|---|---|---|
| | 19th Jan. 1889. | 12th Jan. 1889. |
| Cholera ... ... ... ... ... | 2·4 | 2·8 |
| Small-pox ... ... ... ... ... | ... | ·1 |
| Fever ... ... ... ... ... | 8·9 | 10·2 |
| Bowel-complaints ... ... ... ... | 4·4 | 4·3 |
| Injury ... ... ... ... ... | ·2 | ·6 |
| Other causes ... ... ... ... ... | 8·2 | 8·6 |

4. Of the diseases mentioned above, fever proved noticeably fatal in the Purneah Municipality, where the rate of death was 34·6 per 1,000 of the population. Small-pox furnished no death. Injury exhibited normal fatality. Cholera, bowel-complaints and the maladies coming under the head of "Other causes" caused the highest mortality in the following Municipalities :—

*Cholera.*

| | Ratio per *mille*. |
|---|---|
| Narainganj ... ... | 20·7 |
| Bali ... ... | 10·5 |
| Howrah ... ... | 9·1 |
| Suburbs of Calcutta ... | 5·0 |

*Bowel-complaints.*

| | Ratio per *mille*. |
|---|---|
| Narainganj ... ... | 16·5 |
| Bali ... ... | 10·5 |
| Suburbs of Calcutta ... | 9·7 |
| Hughli ... ... | 9·4 |

*Other causes.*

| | Ratio per *mille*. |
|---|---|
| Narainganj ... ... | 33·1 |
| Serampore ... ... | 21·6 |
| Midnapore ... ... | 15·5 |
| Puri ... ... | 14·7 |
| Suburbs of Calcutta ... | 12·0 |
| Hughli ... | 10·7 |
| Dacca ... ... | 10·4 |

5. The death-rates in relation to *Sex*, *Class* and *Age* stood as follows :—

*According to Sex.*

| | Ratio per *mille*. |
|---|---|
| Males ... ... | 26·3 |
| Females ... ... | 21·7 |
| Ratio of male deaths to every 100 female deaths ... ... | 136 |

*According to Class.*

| | Ratio per *mille*. |
|---|---|
| Christians ... ... | 21·7 |
| Hindus ... ... | 25·1 |
| Mahomedans ... | 22·3 |
| Bhudhists ... ... | 24·1 |

*According to Age.*

| | Ratio per *mille*. |
|---|---|
| Under 1 year ... | 200·6 |
| 1 and under 5 years ... | 18·0 |
| 5 „ 10 „ ... | 14·7 |
| 10 „ 15 „ ... | 10·4 |
| 15 „ 20 „ ... | 17·3 |
| 20 „ 30 „ ... | 16·9 |
| 30 „ 40 „ ... | 19·4 |
| 40 „ 50 „ ... | 15·2 |
| 50 „ 60 „ ... | 24·0 |
| 60 years and upwards ... | 67·2 |

W. H. GREGG, *Dip. Publ. Health, Camb.*,
*Offg. Sanitary Commissioner for Bengal.*

*The 31st January* 1889.

| DISTRICTS. | NAMES OF MUNICIPALITIES. | POPULATION. | | | BIRTHS. | | | | | | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Disease. | | | | | | | | | | | | | | | | | Sex. | | | | |
| | | | | | Number of— | | | Ratio per 1,000 of Population per Annum. | | | | Deaths from— | | | | | | | Ratio per 1,000 of Population per Annum. | | | | | | | Ratio of deaths per 1,000 of population per annum in the previous week. | Deaths. | | Ratio per 1,000 of Population per Annum. | | |
| | | Males. | Females. | Total. | Males. | Females. | Total. | Males. | Females. | Total. | Ratio of male births to every 100 female births. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | Cholera. | Small-pox. | Fevers. | Bowel-complaints. | Injury. | Other diseases. | All causes. | | Males. | Females. | Males. | Females. | Ratio of male deaths to every 100 female deaths. |
| Burdwan ... ... | Burdwan ... ... ... | 18,063 | 16,017 | 34,080 | 7 | 3 | 10 | 16·7 | 4·6 | 15·3 | 233 | ... | ... | 2 | 3 | ... | 6 | 18 | ... | ... | 13·7 | 4·6 | ... | 9·2 | 27·5 | 42·7 | 12 | 6 | 34·5 | 19·5 | 200 |
| Midnapore ... ... | Midnapore ... ... ... | 16,927 | 16,633 | 33,560 | 4 | 6 | 10 | 6·2 | 9·3 | 15·5 | 66 | ... | ... | 2 | 2 | ... | 10 | 14 | ... | ... | 3·1 | 3·1 | ... | 15·5 | 21·7 | 20·1 | 7 | 7 | 21·5 | 21·9 | 100 |
| Hughli ... ... | Hughli and Chinsurah ... | 19,179 | 19,539 | 38,718 | 9 | 13 | 22 | 12·1 | 17·4 | 29·5 | 69 | 1 | ... | 7 | 7 | ... | 8 | 23 | 1·3 | ... | 9·4 | 9·4 | ... | 10·7 | 30·9 | 21·5 | 15 | 8 | 40·7 | 21·3 | 187 |
| Serampore ... | Serampore ... ... ... | 13,559 | 12,937 | 26,496 | 7 | 8 | 15 | 13·7 | 15·7 | 29·4 | 87 | 1 | ... | 2 | 3 | ... | 11 | 17 | 2·0 | ... | 3·9 | 5·9 | ... | 21·6 | 33·4 | 56·9 | 9 | 8 | 34·5 | 32·2 | 112 |
| | Utterpara ... ... ... | 3,046 | 2,464 | 5,510 | 5 | ... | 5 | 47·2 | ... | 47·2 | No female birth. | 2 | ... | 1 | 1 | ... | 1 | 5 | 18·9 | ... | 9·4 | 9·4 | ... | 9·4 | 47·2 | 18·9 | 5 | ... | 81·4 | ... | No female death. |
| Howrah ... ... | Howrah ... ... ... | 53,153 | 37,660 | 90,813 | 20 | 19 | 39 | 11·4 | 10·9 | 22·3 | 105 | 16 | ... | 14 | 11 | 1 | 8 | 50 | 9·1 | ... | 8·0 | 6·3 | ·6 | 4·6 | 28·6 | 34·4 | 34 | 16 | 33·3 | 23·1 | 212 |
| | Bali ... ... ... ... | 7,836 | 6,979 | 14,815 | 5 | 1 | 6 | 17·5 | 3·5 | 21·1 | 500 | 3 | ... | 2 | 3 | ... | 1 | 9 | 10·5 | ... | 7·0 | 10·5 | ... | 3·5 | 31·6 | 35·1 | 6 | 3 | 39·8 | 22·4 | 200 |
| 24-Pergunnahs ... | Suburbs of Calcutta ... | 147,205 | 104,234 | 251,439 | 60 | 62 | 122 | 12·4 | 12·8 | 25·2 | 96 | 24 | ... | 60 | 47 | 1 | 58 | 190 | 5·0 | ... | 12·4 | 9·7 | ·2 | 12·0 | 39·3 | 45·9 | 103 | 87 | 36·4 | 43·4 | 118 |
| Nuddea ... ... | Kishnaghur ... ... ... | 13,263 | 14,214 | 27,477 | 12 | 3 | 15 | 22·7 | 5·7 | 28·4 | 400 | ... | ... | 9 | ... | ... | 1 | 10 | ... | ... | 17·9 | ... | ... | 1·9 | 18·9 | 20·8 | 5 | 5 | 19·6 | 18·3 | 100 |
| | Ranaghat ... ... ... | 4,028 | 4,655 | 8,683 | ... | 1 | 1 | ... | 6·0 | 6·0 | No male birth. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | ... | ... | ... | ... | ..... |
| | Santipore ... ... ... | 13,708 | 15,979 | 29,687 | 13 | 8 | 21 | 22·8 | 14·0 | 36·8 | 162 | ... | ... | 2 | ... | 1 | 3 | 6 | ... | ... | 3·5 | ... | 1·7 | 5·3 | 10·5 | 7·0 | 3 | 3 | 11·4 | 9·8 | 100 |
| Jessore ... ... | Jessore ... ... ... | 4,839 | 3,665 | 8,495 | ... | 1 | 1 | ... | 6·1 | 6·1 | No male birth. | ... | ... | 2 | 1 | ... | ... | 3 | ... | ... | 12·2 | 6·1 | ... | ... | 18·4 | 24·5 | 1 | 2 | 10·8 | 28·4 | 50 |
| Rajshahye ... ... | Rampore Beauleah ... | 10,766 | 9,025 | 19,791 | 12 | 4 | 16 | 31·5 | 10·5 | 42·0 | 300 | 1 | ... | 6 | 1 | ... | 2 | 10 | 2·6 | ... | 15·8 | 2·6 | ... | 5·3 | 26·3 | 28·9 | 6 | 4 | 29·0 | 23·0 | 150 |
| Darjiling ... ... | Darjiling* ... ... ... | 5,029 | 2,947 | 7,976 | 2 | ... | 2 | 13·0 | ... | 13·0 | No female birth. | ... | ... | 2 | ... | ... | ... | 2 | ... | ... | 13·0 | ... | ... | ... | 13·0 | 19·6 | 1 | 1 | 10·3 | 11·6 | 100 |
| Dacca ... ... | Dacca ... ... ... | 42,782 | 37,379 | 80,161 | 19 | 25 | 44 | 12·3 | 16·2 | 28·5 | 76 | 3 | ... | 11 | 2 | ... | 16 | 32 | 1·9 | ... | 7·1 | 1·3 | ... | 10·4 | 20·8 | 20·1 | 20 | 12 | 24·3 | 16·7 | 163 |
| | Narainganj ... ... ... | 7,605 | 4,956 | 12,561 | 5 | 6 | 11 | 20·7 | 24·8 | 45·5 | 83 | 5 | ... | 3 | 4 | ... | 8 | 20 | 20·7 | ... | 12·4 | 16·5 | ... | 83·1 | 83·8 | 16·6 | 12 | 8 | 82·1 | 83·9 | 150 |
| Chittagong ... | Chittagong ... ... ... | 13,340 | 8,790 | 22,130 | 3 | 2 | 5 | 7·0 | 4·7 | 11·7 | 150 | ... | ... | 1 | ... | ... | ·1 | 2 | ... | ... | 2·3 | ... | ... | 2·3 | 4·7 | 18·8 | 2 | ... | 7·8 | ... | No female death. |
| Tipperah ... ... | Comillah ... ... ... | 8,153 | 5,353 | 13,506 | 1 | 4 | 5 | 3·9 | 15·4 | 19·3 | 25 | ... | ... | 4 | 1 | ... | ... | 5 | ... | ... | 15·4 | 3·9 | ... | ... | 19·3 | 27·0 | 2 | 3 | 12·8 | 29·1 | 66 |
| Patna ... ... | Patna City ... ... ... | 78,762 | 81,475 | 160,237 | 18 | 24 | 42 | 5·8 | 7·8 | 13·6 | 75 | ... | ... | 21 | 9 | 1 | 16 | 47 | ... | ... | 6·8 | 2·9 | ·3 | 5·2 | 15·3 | 15·3 | 29 | 18 | 19·1 | 11·5 | 161 |
| Gya ... ... ... | Gya ... ... ... | 38,290 | 37,831 | 76,121 | 17 | 15 | 32 | 11·6 | 10·2 | 21·8 | 113 | 2 | ... | 18 | 1 | ... | 13 | 29 | 1·3 | ... | 8·9 | ·7 | ... | 8·9 | 19·8 | 23·9 | 14 | 15 | 19·0 | 20·6 | 93 |
| Shahabad ... ... | Arrah ... ... ... | 20,960 | 22,505 | 43,465 | 6 | 9 | 15 | 7·2 | 10·7 | 17·9 | 66 | ... | ... | 7 | 1 | ... | 2 | 10 | ... | ... | 8·4 | 1·2 | ... | 2·4 | 12·0 | 12·0 | 4 | 6 | 9·2 | 13·9 | 66 |
| Mozufferpore ... | Mozufferpore ... ... | 23,084 | 19,658 | 42,742 | 11 | 5 | 16 | 13·4 | 6·1 | 19·5 | 220 | ... | ... | 2 | 1 | ... | 4 | 7 | ... | ... | 2·4 | 1·2 | ... | 4·9 | 8·5 | 9·7 | 5 | 2 | 11·5 | 5·3 | 250 |
| Durbhanga ... ... | Durbhanga ... ... ... | 33,774 | 32,322 | 66,096 | 20 | 18 | 38 | 15·7 | 14·2 | 29·9 | 111 | 2 | ... | 13 | 6 | ... | 8 | 29 | 1·6 | ... | 10·2 | 4·7 | ... | 6·3 | 22·8 | 27·5 | 17 | 12 | 26·2 | 19·3 | 141 |
| Sarun ... ... | Chupra ... ... ... | 26,044 | 27,205 | 53,249 | 8 | 13 | 21 | 7·8 | 12·7 | 20·5 | 61 | ... | ... | 6 | 2 | ... | 10 | 18 | ... | ... | 5·9 | 1·9 | ... | 9·8 | 17·6 | 10·7 | 9 | 9 | 18·0 | 17·2 | 100 |
| Bhagulpore ... ... | Bhagulpore ... ... ... | 29,640 | 27,813 | 57,453 | 18 | 22 | 40 | 16·3 | 19·9 | 36·2 | 81 | ... | ... | 6 | ... | ... | 9 | 15 | ... | ... | 5·4 | ... | ... | 8·1 | 13·6 | 17·2 | 7 | 8 | 12·3 | 15·0 | 87 |
| Monghyr ... ... | Monghyr ... ... ... | 28,154 | 29,366 | 57,520 | 28 | 27 | 55 | 25·3 | 24·4 | 49·7 | 103 | ... | ... | 6 | 2 | ... | 5 | 13 | ... | ... | 5·4 | 1·8 | ... | 4·5 | 11·8 | 25·3 | 7 | 6 | 12·9 | 10·6 | 116 |
| Purneah ... ... | Purneah ... ... ... | 8,463 | 6,553 | 15,016 | 6 | 3 | 9 | 20·8 | 10·4 | 31·2 | 200 | 1 | ... | 10 | ... | ... | 2 | 13 | 3·5 | ... | 34·6 | ... | ... | 6·9 | 45·0 | 20·8 | 10 | 3 | 61·4 | 23·8 | 333 |
| Puri ... ... | Puri ... ... ... | 13,247 | 11,537 | 24,784 | 6 | 7 | 13 | 12·6 | 14·7 | 27·3 | 85 | 1 | ... | 5 | 4 | 2 | 7 | 19 | 2·1 | ... | 10·5 | 8·4 | 4·2 | 14·7 | 39·9 | 31·5 | 11 | 8 | 43·2 | 36·1 | 137 |
| | Total ... | 702,590 | 619,691 | 1,322,581 | 322 | 309 | 631 | 12·7 | 12·1 | 24·8 | 104 | 62 | ... | 226 | 112 | 6 | 210 | 615 | 2·4 | ... | 8·9 | 4·4 | ·2 | 8·2 | 24·1 | 26·6 | 356 | 260 | 26·3 | 21·7 | 136 |

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "*Age*," the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age-classification.

| DISTRICTS. | NAMES OF MUNICIPALITIES. | 13 | | | | | 14 | | | | | 15 | | | | | | | | | | 16 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Class. | | | | | | | | | | Age. | | | | | | | | | | | | | | | | | | | |
| | | DEATHS AMONG— | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | DEATHS. | | | | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | | |
| | | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. |
| Burdwan ... ... | Burdwan ... ... ... ... | ... | 13 | 5 | ... | ... | ... | 28·5 | 25·3 | ... | ... | 5 | ... | 1 | 1 | 1 | 4 | 5 | ... | 1 | ... | 393·9 | ..... | 22·3 | 20·7 | 16·6 | 26·3 | 37·7 | ..... | 21·2 | ..... |
| Midnapore ... ... | Midnapore ... ... ... | ... | 11 | 3 | ... | ... | ... | 22·1 | 21·6 | ... | ... | 8 | ... | 1 | ... | ... | 1 | 1 | 1 | ... | 2 | 559·9 | ..... | 13·9 | ..... | ..... | 7·1 | 9·4 | 14·0 | ..... | 56·8 |
| Hughli ... ... | Hughli and Chinsurah ... | ... | 23 | ... | ... | ... | ... | 37·8 | ... | ... | ... | 7 | 2 | ... | ... | 1 | 2 | 3 | 1 | ... | 7 | 386·0 | 39·0 | ..... | ..... | 17·5 | 13·6 | 22·3 | 10·0 | ..... | 145·2 |
| Serampore ... ... | Serampore ... ... ... | ... | 15 | 2 | ... | ... | ... | 30·9 | 110·9 | ... | ... | 7 | 3 | ... | ... | 1 | 1 | ... | 2 | 1 | 2 | 512·7 | 86·4 | ..... | ..... | 23·8 | 9·7 | ..... | 30·8 | 27·2 | 74·8 |
| | Utterpara ... ... ... | ... | 5 | ... | ... | ... | ... | 48·8 | ... | ... | ... | 1 | ... | ... | ... | ... | 1 | 1 | 2 | ... | ... | 323·0 | ..... | ..... | ..... | ..... | 45·2 | 49·0 | 148·4 | ..... | ..... |
| Howrah ... ... | Howrah ... ... ... ... | ... | 34 | 16 | ... | ... | ... | 25·9 | 46·6 | ... | ... | 7 | 3 | 4 | 3 | 1 | 7 | 9 | 6 | 1 | 9 | 176·4 | 28·2 | 33·1 | 23·7 | 7·1 | 16·0 | 24·3 | 26·5 | 9·5 | 124·8 |
| | Bali ... ... ... ... | ... | 8 | 1 | ... | ... | ... | 31·0 | 39·7 | ... | ... | ... | 1 | 2 | ... | 2 | ... | 1 | 1 | ... | 2 | ..... | 52·1 | 97·6 | ..... | 77·9 | ..... | 18·6 | 26·9 | ..... | 142·1 |
| 24-Pergunnahs ... ... | Suburbs of Calcutta ... ... | 4 | 122 | 64 | ... | ... | 51·4 | 42·3 | 34·5 | ... | ... | 33 | 10 | 7 | 8 | 11 | 32 | 34 | 14 | 16 | 25 | 360·1 | 32·2 | 18·4 | 23·2 | 31·7 | 28·6 | 34·3 | 21·4 | 49·0 | 91·3 |
| Nuddea ... ... | Kishnaghur ... ... ... | ... | 8 | 2 | ... | ... | ... | 22·3 | 12·6 | ... | ... | 3 | ... | ... | 1 | ... | 1 | ... | ... | 1 | 4 | 314·5 | ..... | ..... | 18·5 | ..... | 10·8 | ..... | ..... | 24·7 | 120·4 |
| | Ranaghat ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Santipore ... ... ... | ... | 6 | ... | ... | ... | ... | 15·1 | ... | ... | ... | 3 | 1 | 1 | ... | ... | ... | ... | ... | 1 | ... | 184·6 | 17·9 | 13·8 | ..... | ..... | ..... | ..... | ..... | 22·6 | ..... |
| Jessore ... ... | Jessore ... ... ... ... | ... | ... | 3 | ... | ... | ... | ... | 40·8 | ... | ... | 1 | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | 268·0 | 105·3 | ..... | ..... | ..... | 25·8 | ..... | ..... | ..... | ..... |
| Rajshahye ... ... | Rampore Beauleah ... ... | ... | 5 | 5 | ... | ... | ... | 25·2 | 26·5 | ... | ... | 2 | ... | ... | ... | 2 | 3 | 1 | ... | 1 | 1 | 230·2 | ..... | ..... | ..... | 62·6 | 37·5 | 14·4 | ..... | 41·9 | 54·0 |
| Darjiling ... ... | Darjiling ... ... ... ... | ... | 1 | ... | 1 | ... | ... | 11·3 | ... | 31·3 | ... | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 429·8 | ..... | ..... | ..... | ..... | 26·0 | ..... | ..... | ..... | ..... |
| Dacca ... ... | Dacca ... ... ... ... | ... | 19 | 13 | ... | ... | ... | 24·5 | 17·2 | ... | ... | 4 | 1 | 2 | 2 | 2 | 7 | 6 | 3 | 1 | 4 | 109·6 | 7·1 | 10·5 | 13·1 | 14·2 | 23·8 | 26·8 | 18·6 | 11·0 | 37·3 |
| | Narsinganj ... ... ... | ... | 10 | 10 | ... | ... | ... | 82·2 | 84·4 | ... | ... | 2 | 2 | ... | ... | 4 | 6 | 2 | ... | 1 | 3 | 373·8 | 91·2 | ..... | ..... | 199·0 | 116·9 | 48·6 | ..... | 66·4 | 239·3 |
| Chittagong ... ... | Chittagong ... ... ... | 1 | ... | 1 | ... | ... | 65·3 | ... | 3·4 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 | ..... | ..... | 29·8 | ..... | ..... | ..... | ..... | ..... | ..... | 65·3 |
| Tipperah ... ... | Comillah ... ... ... ... | ... | 2 | 3 | ... | ... | ... | 17·5 | 21·1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | ... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | 26·1 | 39·6 | ..... | 230·1 |
| Patna ... ... | Patna City ... ... ... | ... | 43 | 4 | ... | ... | ... | 18·8 | 5·1 | ... | ... | 7 | 1 | 6 | 4 | ... | 4 | 4 | 3 | 5 | 13 | 84·5 | 3·6 | 18·5 | 14·4 | ..... | 7·3 | 8·9 | 8·3 | 18·4 | 48·9 |
| Gya ... ... | Gya ... ... ... ... | ... | 25 | 4 | ... | ... | ... | 21·7 | 12·9 | ... | ... | 3 | 3 | 4 | 1 | 1 | ... | 3 | 4 | 2 | 8 | 87·2 | 24·6 | 29·7 | 7·7 | 9·9 | ..... | 12·3 | 21·3 | 15·8 | 80·8 |
| Shahabad ... ... | Arrah ... ... ... ... | ... | 6 | 4 | ... | ... | ... | 10·1 | 16·8 | ... | ... | 3 | 2 | ... | ... | ... | ... | 1 | ... | ... | 4 | 121·1 | 23·5 | ..... | ..... | ..... | ..... | 8·1 | ..... | ..... | 72·1 |
| Mozufferpore ... | Mozufferpore ... ... ... | ... | 4 | 3 | ... | ... | ... | 6·9 | 12·5 | ... | ... | 2 | 1 | 1 | ... | ... | ... | 2 | ... | ... | 1 | 108·9 | 12·9 | 11·6 | ..... | ..... | ..... | 14·9 | ..... | ..... | 21·4 |
| Durbhanga ... ... | Durbhanga ... ... ... | ... | 23 | 6 | ... | ... | ... | 24·7 | 17·8 | ... | ... | 4 | 2 | 5 | 1 | 2 | 3 | 3 | 2 | 3 | 4 | 133·6 | 13·7 | 33·2 | 9·4 | 25·9 | 11·7 | 14·0 | 14·9 | 33·6 | 65·1 |
| Sarun ... ... | Chupra ... ... ... ... | ... | 9 | 9 | ... | ... | ... | 11·4 | 38·9 | ... | ... | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 2 | 4 | 102·0 | 9·8 | 8·4 | 19·1 | 14·6 | 16·4 | 6·4 | 8·3 | 24·7 | 59·8 |
| Bhagulpore ... ... | Bhagulpore ... ... ... | ... | 10 | 5 | ... | ... | ... | 13·1 | 13·1 | ... | ... | 4 | ... | ... | ... | 2 | 1 | 1 | 2 | 3 | 2 | 174·2 | ..... | ..... | ..... | 24·9 | 4·8 | 5·6 | 16·2 | 36·6 | 28·9 |
| Monghyr ... ... | Monghyr ... ... ... ... | ... | 11 | 2 | ... | ... | ... | 12·8 | 8·3 | ... | ... | 1 | 1 | 1 | ... | 2 | 4 | 1 | 1 | ... | 2 | 35·9 | 8·4 | 7·4 | ..... | 27·5 | 20·1 | 5·8 | 8·2 | ..... | 29·0 |
| Purneah ... ... | Purneah ... ... ... ... | ... | 10 | 3 | ... | ... | ... | 56·7 | 27·6 | ... | ... | 5 | ... | ... | ... | 1 | 4 | 2 | 2 | ... | 1 | 351·2 | ... ... | ..... | ..... | 52·3 | 63·3 | 36·8 | 55·1 | ..... | 64·4 |
| Puri ... ... | Puri ... ... ... ... | ... | 19 | ... | ... | ... | ... | 40·3 | ... | ... | ... | 3 | 1 | ... | 1 | 1 | 2 | 3 | 1 | 5 | 2 | 514·9 | 28·9 | ..... | 22·7 | 28·0 | 19·7 | 38·5 | 15·6 | 116·5 | 57·6 |
| | TOTAL ... | 5 | 442 | 168 | 1 | ... | 21·7 | 25·1 | 22·3 | 24·1 | ... | 117 | 36 | 37 | 23 | 33 | 88 | 85 | 47 | 44 | 104 | 200·6 | 16·0 | 14·7 | 19·4 | 17·3 | 16·9 | 19·4 | 13·2 | 24·0 | 67·2 |

## CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 2nd February* 1889, *as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 2nd February 1889. | | | Week ending Saturday, the 4th February 1888. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... ... | 1,797 | 3,64,825 | 6,342 | 2,194 | 4,89,106 | 8,568 |
| Jute ... ... | 109 | 85,125 | 1,536 | 139 | 96,813 | 1,692 |
| Firewood ... ... | 146 | 83,725 | 1,222 | 131 | 65,225 | 1,021 |
| Other articles ... ... | 1,205 | 3,27,255 | 3,710 | 1,070 | 3,07,685 | 3,957 |
| Total ... | 3,257 | 8,60,930 | 12,810 | 3,534 | 9,58,829 | 15,238 |

## Nalhati State Railway.

*Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of November* 1888, *as compared with the same month of the previous year.*

| Staples. | 1887. | | 1888. | | Total. | | Increase. | Decrease. |
|---|---|---|---|---|---|---|---|---|
| | Up. | Down. | Up. | Down. | 1887. | 1888. | | |
| | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. |
| Coal | 529 | ..... | 1,211 | ..... | 529 | 1,211 | 682 | ..... |
| Cotton, raw | 16 | ..... | 8 | ..... | 16 | 8 | ..... | 8 |
| Cotton twist and yarn— | | | | | | | | |
| 1.—European | 2 | ..... | ..... | ..... | 2 | ..... | ..... | 2 |
| 2.—Indian | 1 | ..... | ..... | ..... | 1 | ..... | ..... | 1 |
| Cotton piece-goods— | | | | | | | | |
| 1.—European | 34 | 1 | 45 | 3 | 35 | 48 | 13 | ..... |
| 2.—Indian | 3 | ..... | ..... | ..... | 3 | ..... | ..... | 3 |
| Dyes and chemicals— | | | | | | | | |
| *b.*—Others | 1 | ..... | ..... | ..... | 1 | ..... | ..... | 1 |
| Jute— | ..... | ..... | ..... | 118 | ..... | 118 | 118 | ..... |
| 1.—Raw | 10 | 1 | 9 | ..... | 11 | 9 | ..... | 2 |
| 2.—Gunny bags and cloths | 24 | 353 | 54 | 416 | 377 | 470 | 93 | ..... |
| Grains— | | | | | | | | |
| 2.—Rice | ..... | ..... | 1 | ..... | ..... | 1 | 1 | ..... |
| 4.—Gram | 3 | 8 | 5 | 33 | 11 | 38 | 27 | ..... |
| 5.—Others | | | | | | | | |
| Hides and skins— | | | | | | | | |
| 1.—Hides of cattle— | ..... | 1 | ..... | ..... | 1 | ..... | ..... | 1 |
| *a.*—Dressed | ..... | 3 | ..... | 2 | 3 | 2 | ..... | 1 |
| *b.*—Undressed | | | | | | | | |
| 2. Skins of sheep, goats and small animals— | | | | | | | | |
| *a.*—Dressed | ..... | 1 | ..... | ..... | 1 | ..... | ..... | 1 |
| Leather, manufactured | 6 | ..... | 8 | ..... | 6 | 8 | 2 | ..... |
| Liquors— | | | | | | | | |
| 1.—Beer | 1 | ..... | 1 | ..... | 1 | 1 | ..... | ..... |
| 2.—Wines | 1 | ..... | 1 | ..... | 1 | 1 | ..... | ..... |
| Metals— | 2 | ..... | 1 | ..... | 2 | 1 | ..... | 1 |
| 2.—Iron | 1 | 2 | 1 | 5 | 3 | 6 | 3 | ..... |
| 4.—Others | | | | | | | | |
| Oils— | ..... | ..... | ..... | 1 | ..... | 1 | 1 | ..... |
| 1.—Castor | 1 | ..... | 3 | ..... | 1 | 5 | 2 | ..... |
| 2.—Kerosine | 1 | ..... | 4 | ..... | 1 | 4 | 3 | ..... |
| 3.—Others | | | | | | | | |
| Provisions— | 3 | ..... | ..... | ..... | 3 | ..... | ..... | 3 |
| 1.—Ghee | 5 | ..... | 6 | 2 | 5 | 8 | 3 | ..... |
| 2.—Dried fruits and nuts | | ..... | 7 | ..... | ..... | 7 | 7 | ..... |
| 3.—Others | ..... | ..... | 100 | 26 | 36 | 133 | 99 | ..... |
| Railway plant and rolling-stock | 19 | 17 | 22 | ..... | 26 | 22 | ..... | 4 |
| Salt | 26 | ..... | ..... | ..... | | | | |
| Oilseeds— | ..... | ..... | ..... | 20 | ..... | 20 | 20 | ..... |
| 1.—Linseed | 28 | 1 | 16 | ..... | 29 | 16 | ..... | 13 |
| 2.—Mustard and rape | | | | | | | | |
| Silk, raw— | 5 | 6 | ..... | 2 | 11 | 2 | ..... | 9 |
| 2.—Indian | | | | | | | | |
| Silk piece-goods— | ..... | 6 | ..... | 7 | 6 | 7 | 1 | ..... |
| 2.—Indian | 3 | ..... | 10 | ..... | 3 | 10 | 7 | ..... |
| Stone and lime | | | | | | | | |
| Sugar— | 12 | ..... | 15 | ..... | 12 | 15 | 3 | ..... |
| 1.—Drained | 4 | ..... | 1 | ..... | 4 | 1 | ..... | 3 |
| 2.—Undrained | 1 | 3 | ..... | ..... | 4 | ..... | ..... | 4 |
| Tobacco | ..... | ..... | 1 | ..... | ..... | 1 | 1 | ..... |
| Timber | | | | | | | | |
| Wool— | ..... | ..... | ..... | 1 | ..... | 1 | 1 | ..... |
| 1.—Raw | | | | | | | | |
| 2.—Piece-goods— | 2 | ..... | 4 | ..... | 2 | 4 | 2 | ..... |
| *b.*—Indian | 3 | ..... | 2 | 1 | 3 | 3 | ..... | ..... |
| Paper and pasteboard | 55 | 27 | 60 | 29 | 82 | 80 | ..... | 1 |
| All other articles of merchandise | | | | | | | | |
| Total | 802 | 430 | 1,605 | 657 | 1,232 | 2,262 | 1,089 | 59 |

| | Tons. |
|---|---|
| **Increase.** | |
| Coal | 682 |
| This increase is due to greater import of brick-burning coal. | |
| Cotton piece-goods— | |
| (1) European | 13 |
| This increase is due to steamer service between Jeagunge and Calcutta being closed. | |
| Jute— | |
| (1) Raw | 118 |
| This traffic is carried by railway this year, the river communication between Jeagunge and Calcutta having been stopped for want of sufficient water. | |
| Grains— | |
| (2) Rice | 93 |
| The increase under this head is due to greater despatches from intermediate stations. | |
| (5) Others | 27 |
| This is due to steamer service between Jeagunge and Calcutta being stopped. | |
| Railway plant and rolling-stock | 99 |
| This increase is due to more materials carried this year. | |
| Oilseeds— | |
| (1) Linseed | 20 |
| This is due to steamer service between Jeagunge and Calcutta being stopped. | |
| **Decrease.** | |
| Cotton, raw | 8 |
| This decrease is due to dull market. | |
| Oilseeds— | |
| (2) Mustard and rape | 13 |
| This decrease is due to dull market. | |
| Silk, raw— | |
| (2) Indian | 9 |
| This decrease is due to less export. | |

*The 5th February* 1889.

R. G. Mookerjee, *Manager, Nalhati State Railway.*

# Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 26th January 1889, on 1,513¾ miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 232,985 | 2,84,838 8 0 | 29,25,592 20 | 6,29,860 3 6 | 17,810 6 4 | 9,32,009 1 10 | 65,278½ | 98,983 | 164,256½ |
| Or per mile of railway ... ... | ..... | 188 2 8 | ..... | 416 1 6 | 11 7 0 | 615 11 2 | ..... | ..... | ..... |
| For previous 3 weeks of half-year ... ... ... ... | 625,697 | 7,44,424 5 0 | 78,98,029 0 | 16,99,983 9 6 | 46,171 8 0 | 24,90,579 6 6 | 176,321 | 261,208½ | 437,529½ |
| Total for 4 weeks ... | 858,682 | 10,29,262 13 0 | 1,08,23,621 20 | 23,29,843 13 0 | 63,481 14 4 | 34,22,588 8 4 | 241,594½ | 360,191½ | 601,786 |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 279,813 | 3,33,631 10 4 | 27,82,579 30 | 6,78,089 7 3 | 26,965 14 1 | 10,38,686 15 8 | 65,936 | 105,047 | 170,983 |
| Per mile of railway corresponding week of previous year ... | ..... | 220 6 5 | ..... | 447 15 3 | 17 13 0 | 686 2 8 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 1,090,902½ | 12,81,810 12 4 | 1,09,85,762 10 | 26,38,854 5 0 | 91,126 4 5 | 40,11,791 5 9 | 264,229 | 417,008 | 681,237 |

*Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.*

| Receipts for week ending 28th January 1888. | | | Receipts for week ending 26th January 1889. | | | Total receipts from 1st April 1887 to 28th January 1888. | | | Total receipts from 1st April 1888 to 26th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 1,513¾ | 10,38,687 | 686 | 1,513¾ | 9,32,009 | 616 | 1,513¾ | 3,73,70,557 | 574 | 1,513¾ | 3,57,38,868 | 549 | ..... | 16,31,689 |

## PATNA-GYA STATE RAILWAY.

*Approximate Return of Traffic for week ended 26th January 1889, on 57½ miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 11,099 | 5,821 10 0 | 22,053 10 | 1,305 13 0 | 41 4 0 | 7,168 11 0 | 1,842 | 552 | 2,394 |
| Or per mile of railway ... ... | 194 | 101 12 5 | 385 30 | 22 13 3 | 0 11 7 | 125 5 3 | ..... | ..... | ..... |
| For previous 3 weeks of half-year ... ... ... ... ... | 33,398 | 17,762 7 0 | 68,795 20 | 4,623 11 0 | 84 7 10 | 22,470 9 10 | 4,823 | 1,675 | 6,498 |
| Total for 4 weeks ... | 44,497 | 23,584 1 0 | 90,848 30 | 5,929 8 0 | 123 11 10 | 29,639 4 10 | 6,665 | 2,227 | 8,892 |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 14,115 | 7,893 5 3 | 27,362 0 | 1,853 15 0 | 48 8 6 | 9,795 12 9 | 1,964 | 544 | 2,508 |
| Per mile of railway corresponding week of previous year ... | 247 | 137 15 11 | 478 20 | 32 6 7 | 0 13 7 | 171 4 1 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 54,063 | 29,003 2 0 | 1,32,295 30 | 8,301 6 0 | 217 0 3 | 37,521 8 3 | 7,626 | 2,178 | 9,804 |

*Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.*

| Receipts for week ending 28th January 1888. | | | Receipts for week ending 26th January 1889. | | | Total receipts from 1st April 1887 to 28th January 1888. | | | Total receipts from 1st April 1888 to 26th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | R | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| | 9,796 | 171 | 57½ | 7,169 | 125 | 57½ | 17,663 | 170 | 57½ | 3,97,659 | 162 | ..... | 20,009 |

## DILDARNAGAR-GHAZIPUR STATE RAILWAY.

*Approximate Return of Traffic for week ended 26th January 1889, on 12 miles open.*

| | Coaching Traffic | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 2,461 | 412 7 0 | 21,813 20 | 575 9 0 | 8 8 0 | 996 8 0 | 338½ | 155 | 493½ |
| Or per mile of railway ... ... | ..... | 34 5 11 | ..... | 47 15 5 | 0 11 4 | 83 0 8 | ..... | ..... | ..... |
| For previous 3 weeks of half-year ... ... ... ... ... | 6,554 | 1,114 5 0 | 69,980 10 | 1,703 5 0 | 17 3 8 | 2,834 13 8 | 937½ | 402 | 1,339½ |
| Total for 4 weeks ... | 9,015 | 1,526 12 0 | 91,793 30 | 2,278 14 0 | 25 11 8 | 3,831 5 8 | 1,276 | 557 | 1,833 |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 3,241½ | 541 11 2 | 13,141 30 | 291 9 0 | 7 12 0 | 841 0 2 | 342 | 151 | 493 |
| Per mile of railway corresponding week of previous year ... | ..... | 45 2 3 | ..... | 24 4 9 | 0 10 4 | 70 1 4 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 13,144½ | 2,171 1 2 | 85,854 10 | 1,911 9 0 | 32 14 6 | 4,115 8 8 | 1,333 | 639 | 1,972 |

*Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.*

| Receipts for week ending 28th January 1888. | | | Receipts for week ending 26th January 1889. | | | Total receipts from 1st April 1887 to 28th January 1888. | | | Total receipts from 1st April 1888 to 26th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 12 | 841 | 70 | 12 | 997 | 83 | 12 | 39,636 | 77 | 12 | 37,943 | 74 | ..... | 1,693 |

## SINDIA STATE RAILWAY.

*Approximate Return of Traffic for week ended 26th January 1889, on 74⅛ miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 5,296 | 3,987 5 0 | 97,434 20 | 3,982 12 0 | 84 8 0 | 8,054 9 0 | 631 | 778½ | 1,409½ |
| Or per mile of railway ... ... | ..... | 53 4 11 | ..... | 53 3 11 | 1 2 1 | 107 10 11 | ..... | ..... | ..... |
| For previous 3 weeks of half-year ... ... ... ... ... | 14,140 | 10,316 14 0 | 2,75,724 0 | 10,782 8 0 | 222 5 6 | 21,291 11 6 | 1,769 | 2,286½ | 4,055½ |
| Total for 4 weeks ... | 19,436 | 14,304 3 0 | 3,73,158 20 | 14,735 4 0 | 306 13 6 | 29,345 4 6 | 2,450 | 3,065½ | 5,515½ |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 4,928½ | 3,660 0 8 | 1,07,132 30 | 4,263 2 0 | 141 3 6 | 8,064 6 2 | 680 | 946 | 1,626 |
| Per mile of railway corresponding week of previous year ... | ..... | 48 14 11 | ..... | 56 15 11 | 1 14 2 | 107 13 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 18,564½ | 13,729 6 6 | 3,74,230 20 | 19,217 7 0 | 558 7 6 | 33,505 5 0 | 2,624 | 6,047 | 8,671 |

*Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.*

| Receipts for week ending 28th January 1888. | | | Receipts for week ending 26th January 1889. | | | Total receipts from 1st April 1887 to 28th January 1888. | | | Total receipts from 1st April 1888 to 26th January 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 74⅛ | 8,064 | 108 | 74⅛ | 8,055 | 108 | 74⅛ | 5,69,235 | 115 | 74⅛ | 2,93,849 | 91 | ..... | 75,386 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 26th January* 1889, *on* 22¼ *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| al traffic for the week ... | 19,735 | 5,019 4 0 | 7,783 20 | 290 9 0 | 7 2 0 | 5,316 15 0 | 906 | 62 | 968 |
| per mile of railway ... ... | ..... | 225 9 4 | ..... | 13 0 11 | 0 5 2 | 238 15 5 | ..... | ..... | ..... |
| previous 3 weeks of half-ear ... ... ... ... ... | 50,983 | 12,867 15 0 | 25,446 30 | 861 4 0 | 19 10 10 | 13,748 13 10 | 2,465 | 162 | 2,627 |
| Total for 4 weeks ... | 70,718 | 17,887 3 0 | 33,230 10 | 1,151 13 0 | 26 12 10 | 19,065 12 10 | 3,371 | 224 | 3,595 |
| COMPARISON. | | | | | | | | | |
| al for corresponding week previous year ... ... ... | 22,301½ | 5,703 10 2 | 8,166 0 | 289 14 0 | 10 7 9 | 6,003 15 11 | 895 | 73 | 968 |
| mile of railway correspond-g week of previous year ... | ..... | 256 5 6 | ..... | 13 0 5 | 0 7 7 | 269 13 6 | ..... | ..... | ..... |
| al to corresponding date of evious year ... ... ... | 76,026 | 19,013 6 6 | 29,198 30 | 948 1 0 | 25 12 9 | 19,987 4 3 | 3,487 | 385 | 3,872 |

*Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated* 23rd *July* 1883.

| CEIPTS FOR WEEK ENDING 28TH JANUARY 1888. | | | RECEIPTS FOR WEEK ENDING 26TH JANUARY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 28TH JANUARY 1888. | | | TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 26TH JANUARY 1889. | | | Total increase in 1889. | Total decrease in 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ean leage ked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 4 | 6,004 | 270 | 22¼ | 5,317 | 239 | 22¼ | 2,13,216 | 223 | 22¼ | 2,22,446 | 232 | 9,230 | ..... |

## EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

*Approximate Return of Traffic for week ended* 19*th January* 1889, *on* 673 *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| al traffic for the week ... | 135,160 | 67,140 0 0 | 5,06,810 0 | 1,16,420 0 0 | 14,230 0 0 | 1,97,790 0 0 | 21,252 | 27,098 | 48,350 |
| per mile of railway ... ... | 201 | 100 0 0 | 753 0 | 173 0 0 | *3 0 0 | 276 0 0 | ..... | ..... | ..... |
| previous 2 weeks of half-ar ... ... ... ... ... | 225,910 | 1,16,090 0 0 | 8,89,850 0 | 2,31,380 0 0 | 28,600 0 0 | 3,76,070 0 0 | 33,862 | 54,426 | 91,288 |
| Total for 3 weeks ... | 361,070 | 1,83,230 0 0 | 13,96,640 0 | 3,47,800 0 0 | 42,830 0 0 | 5,73,860 0 0 | 55,114 | 81,524 | 1,39,638 |
| COMPARISON. | | | | | | | | | |
| al for corresponding week previous year ... ... ... | 123,583 | 61,264 0 0 | 4,64,736 0 | 98,938 0 0 | 12,243 0 0 | 1,72,445 0 0 | 21,369 | 24,233 | 45,602 |
| mile of railway correspond-period of previous year ... | 192 | 95 0 0 | 721 0 | 153 0 0 | *2 0 0 | 250 0 0 | ..... | ..... | ..... |
| al to corresponding date of evious year ... ... ... | 406,406 | 1,79,339 0 0 | 12,85,083 0 | 2,73,211 0 0 | 35,914 0 0 | 4,88,464 0 0 | 63,865 | 73,600 | 1,37,465 |

* Excluding steam-boat earnings.

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Eastern Bengal State Railway.*

| CEIPTS FOR WEEK ENDING 21ST JANUARY 1888. | | | RECEIPTS FOR WEEK ENDING 19TH JANUARY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 21ST JANUARY 1888. | | | TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 19TH JANUARY 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ean leage ked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs | Rs. | | Rs | Rs. | Rs. | Rs. |
| 4 | 1,73,445 | 267 | 673 | 1,97,799 | 294 | 645 | 78,38,170 | 289 | 673 | *87,47,336 | 309 | 9,09,166 | ..... |

* Audited up to week ending 15th December 1888.

## EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

*Approximate Return of Traffic for week ended 26th January 1889, on 673 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 127,705 | 67,430 0 0 | 5,10,870 0 | 1,06,910 0 0 | 16,250 0 0 | 1,90,590 0 0 | 21,489 | 28,312 | 49,801 |
| Or per mile of railway ... | 190 | 100 0 0 | *759 0 | 159 0 0 | *3 0 0 | 282 0 0 | ..... | ..... | ..... |
| For previous 3 weeks of half-year ... ... ... ... | 361,070 | 1,83,230 0 0 | 13,96,640 0 | 3,47,800 0 0 | 42,830 0 0 | 5,73,860 0 0 | 58,114 | 81,524 | 139,638 |
| Total for 4 weeks ... | 488,775 | 2,50,660 0 0 | 19,07,510 0 | 4,54,710 0 0 | 59,080 0 0 | 7,64,450 0 0 | 79,603 | 109,836 | 189,439 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | a138,997 | 89,384 0 0 | †8,60,458 0 | 74,458 0 0 | 19,985 0 0 | 1,83,827 0 0 | 21,149 | 21,886 | 43,035 |
| Per mile of railway corresponding period of previous year ... | 215 | 139 0 0 | 1,334 0 | 115 0 0 | *4 0 0 | 258 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... | 545,403 | 2,68,723 0 0 | 21,45,541 0 | 3,47,669 0 0 | 55,899 0 0 | 6,72,291 0 0 | 85,013 | 95,486 | 180,499 |

* Exclusive of steam-boat earnings.
† Includes ballast train.
a Due to mela passengers held in Nudia and larger amount of fish carried.

### FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Eastern Bengal State Railway.*

| Receipts for week ending 28th January 1888. | | | Receipts for week ending 26th January 1889. | | | Total receipts from 1st April 1887 to 28th January 1888. | | | Total receipts from 1st April 1888 to 26th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 645 | 1,83,827 | 285 | 673 | 1,90,590 | 283 | 645 | 80,21,997 | 289 | 673 | *80,45,766 | 309 | 9,23,769 | ..... |

* Audited up to week ending 22nd December 1888.

## BENGAL CENTRAL RAILWAY.

*Approximate Return of Traffic for week ended 19th January 1889, on 125 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 24,690 | 9,160 0 0 | 48,840 0 | 2,820 0 0 | 100 0 0 | 12,080 0 0 | 3,597 | 2,075 | 5,672 |
| Or per mile of railway ... ... | 198 | 73 0 0 | 391 0 | 23 0 0 | 1 0 0 | 97 0 0 | ..... | ..... | ..... |
| For previous 2 weeks of half-year ... ... ... ... | 41,890 | 14,710 0 0 | 75,400 0 | 4,170 0 0 | 2,180 0 0 | 21,060 0 0 | 6,132 | 3,357 | 9,489 |
| Total for 3 weeks ... | 66,580 | 23,870 0 0 | 1,24,240 0 0 | 6,990 0 0 | 2,280 0 0 | 33,140 0 0 | 9,729 | 5,432 | 15,161 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 24,099 | 9,209 0 0 | 39,752 0 | 2,574 0 0 | 20 0 0 | 11,813 0 0 | 3,303 | 1,907 | 5,210 |
| Per mile of railway corresponding period of previous year ... | 193 | 74 0 0 | 318 0 | 20 0 0 | ..... | 94 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 73,176 | 25,341 0 0 | 1,18,460 0 | 7,366 0 0 | 248 0 0 | 32,955 0 0 | 9,909 | 5,721 | 15,630 |

### FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Bengal Central Railway.*

| Receipts for week ending 21st January 1888. | | | Receipts for week ending 19th January 1889. | | | Total receipts from 1st April 1887 to 21st January 1888. | | | Total receipts from 1st April 1888 to 19th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 125 | 11,813 | 94 | 125 | 12,080 | 97 | 125 | 5,38,539 | 103 | 125 | *5,75,328 | 110 | 36,789 | ..... |

* Audited up to week ending 15th December 1888.

## BENGAL CENTRAL RAILWAY.

*Approximate Return of Traffic for week ended 26th January* 1889, *on* 125 *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Traffic for the week ... | 25,100 | 8,860 0 0 | 41,140 0 | 2,150 0 0 | 1,080 0 0 | 12,090 0 0 | 3,597 | 2,075 | 5,672 |
| Per mile of railway ... ... | 201 | 71 0 0 | 329 0 | 17 0 0 | 9 0 0 | 97 0 0 | ..... | ..... | ..... |
| Previous 3 weeks of half-year ... ... ... ... | 66,580 | 23,870 0 0 | 1,24,240 0 | 6,990 0 0 | 2,280 0 0 | 33,140 0 0 | 9,729 | 5,632 | 15,361 |
| Total for 4 weeks ... | 91,680 | 32,730 0 0 | 1,65,380 0 | 9,140 0 0 | 3,360 0 0 | 45,230 0 0 | 13,326 | 7,707 | 21,033 |
| COMPARISON. | | | | | | | | | |
| Ditto for corresponding week previous year ... ... ... | 25,029 | 10,452 0 0 | 46,873 0 | 2,407 0 0 | 2,170 0 0 | 15,029 0 0 | 3,303 | 1,907 | 5,210 |
| Per mile of railway correspond- ing period of previous year ... | 200 | 84 0 0 | 375 0 | 19 0 0 | 17 0 0 | 120 0 0 | ..... | ..... | ..... |
| Ditto to corresponding date of previous year ... ... ... | 98,205 | 35,793 0 0 | 1,65,333 0 | 9,773 0 0 | 2,418 0 0 | 47,984 0 0 | 13,212 | 7,628 | 20,840 |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Bengal Central Railway.*

| Receipts for week ending 28th January 1888. | | | Receipts for week ending 26th January 1889. | | | Total receipts from 1st April 1887 to 28th January 1888. | | | Total receipts from 1st April 1888 to 26th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| | 15,029 | 120 | 125 | 12,090 | 97 | 125 | 5,53,568 | 103 | 125 | *5,87,468 | 109 | 33,900 | ..... |

* Audited up to week ending 27th October 1888.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic for week ended 19th January* 1889, *on* 86 *miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Traffic for the week ... | 14,280 | 4,300 0 0 | 13,860 0 | 1,500 0 0 | 270 0 0 | 6,070 0 0 | 2,592 | 602 | 3,194 |
| Per mile of railway ... ... | 166 | 50 0 0 | 161 0 | 18 0 0 | 3 0 0 | 71 0 0 | ..... | ..... | ..... |
| Previous 2 weeks of half-year ... ... ... ... | 22,500 | 8,010 0 0 | 23,630 0 | 2,760 0 0 | 150 0 0 | 10,920 0 0 | 4,322 | 1,032 | 5,354 |
| Total for 3 weeks ... | 36,780 | 12,310 0 0 | 37,490 0 | 4,260 0 0 | 420 0 0 | 16,990 0 0 | 6,824 | 1,634 | 8,458 |
| COMPARISON. | | | | | | | | | |
| Ditto for corresponding week previous year ... ... ... | 13,458 | 4,353 0 0 | 15,289 0 | * 1,893 0 0 | 199 0 0 | 6,445 0 0 | 2,486 | 619 | 3,104 |
| Per mile of railway correspond- ing period of previous year ... | 156 | 51 0 0 | 178 0 | 22 0 0 | 2 0 0 | 75 0 0 | ..... | ..... | ..... |
| Ditto to corresponding date of previous year ... ... ... | 41,675 | 13,388 0 0 | 34,263 0 | 4,022 0 0 | 528 0 0 | 17,938 0 0 | 7,455 | 1,857 | 9,312 |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Dacca State Railway.*

| Receipts for week ending 21st January 1888. | | | Receipts for week ending 19th January 1889. | | | Total receipts from 1st April 1887 to 21st January 1888. | | | Total receipts from 1st April 1888 to 19th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| | 6,445 | 75 | 86 | 6,070 | 71 | 86 | 2,43,876 | 68 | 86 | *2,40,041 | 66 | ..... | 3,835 |

* Audited up to week ending 15th December 1888.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic for week ended 26th January 1889, on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 15,120 | 4,860 0 0 | 13,230 0 | 1,460 0 0 | 240 0 0 | 6,560 0 0 | 2,402 | 702 | 3,... |
| Or per mile of railway ... ... | 176 | 57 0 0 | 154 0 | 17 0 0 | 2 0 0 | 76 0 0 | ..... | ..... | ... |
| For previous 3 weeks of half-year ... ... ... ... ... | 36,780 | 12,310 0 0 | 37,490 0 | 4,260 0 0 | 420 0 0 | 16,990 0 0 | 6,824 | 1,634 | 8,... |
| Total for 4 weeks ... | 51,900 | 17,170 0 0 | 50,720 0 | 5,720 0 0 | 660 0 0 | 23,550 0 0 | 9,226 | 2,336 | 11,... |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 13,095 | 4,994 0 0 | *30,222 0 | 954 0 0 | 261 0 | 6,209 0 0 | 2,485 | 619 | 3,... |
| Per mile of railway corresponding period of previous year ... ... | 152 | 58 0 0 | 351 0 | 11 0 0 | 0 0 | 72 0 0 | ..... | ..... | ... |
| Total to corresponding date of previous year ... ... ... ... | 55,170 | 18,382 0 0 | 64,485 0 | 4,976 0 0 | 789 0 0 | 24,147 0 0 | 9,940 | 2,476 | 12,... |

* Includes 15,755 maunds ballast trains.

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Dacca State Railway.*

| Receipts for week ending 28th January 1888. | | | Receipts for week ending 26th January 1889. | | | Total receipts from 1st April 1887 to 28th January 1888. | | | Total receipts from 1st April 1888 to 26th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 86 | 6,209 | 72 | 86 | 6,560 | 76 | 86 | 2,50,085 | 68 | 86 | *2,45,487 | 66 | ..... | 4,... |

* Audited up to week ending 22nd December 1888.

## ASSAM-BEHAR STATE RAILWAY.

(Purneah Section.)

*Approximate Return of Traffic week ended 19th January 1889, on 38 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 2,380 | 1,330 0 0 | 16,470 0 | 1,950 0 0 | 30 0 0 | 3,310 0 0 | 532 | 532 | 1,... |
| Or per mile of railway ... ... | 63 | 35 0 0 | 433 0 | 51 0 0 | 1 0 0 | 87 0 0 | ..... | ..... | ... |
| For previous 2 weeks of half-year ... ... ... ... | 3,917 | 1,456 0 0 | 36,240 0 | 2,970 0 0 | 50 0 0 | 4,470 0 0 | 936 | 936 | 1,... |
| Total for 3 weeks ... | 6,297 | 2,780 0 0 | 52,710 0 | 4,920 0 0 | 80 0 0 | 7,780 0 0 | 1,468 | 1,468 | 2,... |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 2,841 | 974 0 0 | 16,707 0 | 1,256 0 0 | 25 0 0 | 2,255 0 0 | 546 | 546 | 1,... |
| Per mile of railway corresponding period of previous year... | 75 | 25 0 0 | 431 0 | 32 0 0 | 1 0 0 | 58 0 0 | ..... | ..... | ... |
| Total to corresponding date of previous year ... ... ... | 7,624 | 2,726 0 0 | 55,612 0 | 4,222 0 0 | 100 0 0 | 7,108 0 0 | 1,638 | 1,638 | 3,... |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Assam-Behar State Railway.*

| Receipts for week ending 21st January 1888. | | | Receipts for week ending 19th January 1889. | | | Total receipts from 1st April 1887 to 21st January 1888. | | | Total receipts from 1st April 1888 to 19th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 39 | 2,255 | 58 | 38 | 3,310 | 87 | 39 | 94,141 | 57 | 38 | *1,40,265 | 88 | 46,124 | ... |

* Audited up to week ending 15th December 1888.

## ASSAM-BEHAR STATE RAILWAY.

*Approximate Return of Traffic for the week ending 26th January 1889, on 38 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 2,550 | 800 0 0 | 21,590 0 | 1,430 0 0 | 30 0 0 | 2,260 0 0 | 532 | 532 | 1,064 |
| Per mile of railway ... ... | 146 | 21 0 0 | 568 0 | 38 0 0 | 1 0 0 | 60 0 0 | ..... | ..... | ..... |
| Previous 3 weeks of half-year ... ... ... ... .. | 6,297 | 2,780 0 0 | 52,710 0 | 4,920 0 0 | 80 0 0 | 7,780 0 0 | 1,468 | 1,468 | 2,936 |
| Total for 4 weeks ... | 8,847 | 3,580 0 0 | 74,300 0 | 6,350 0 0 | 110 0 0 | 10,040 0 0 | 2,000 | 2,000 | 4,000 |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year ... .. ... | 4,764 | 1,807 0 0 | 25,825 0 | 1,531 0 0 | 23 0 0 | 3,361 0 0 | 546 | 546 | 1,092 |
| Per mile of railway correspond-ing period of previous year ... | 122 | 46 0 0 | 662 0 | 39 0 0 | 1 0 0 | 86 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 12,388 | 4,533 0 0 | 81,437 0 | 5,753 0 0 | 183 0 0 | 10,469 0 0 | 2,184 | 2,184 | 4,368 |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Assam-Behar State Railway.*

| Receipts for week ending 28th January 1888. | | | Receipts for week ending 26th January 1889. | | | Total receipts from 1st April 1887 to 28th January 1888. | | | Total receipts from 1st April 1888 to 26th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 39 | 3,361 | 86 | 38 | 2,260 | 60 | 39 | 97,502 | 58 | 38 | *1,42,236 | 87 | 44,734 | ..... |

* Audited up to week ending 22nd December 1888.

## NALHATI STATE RAILWAY.

*Approximate Return of Traffic for the week ending 26th January 1889, on 27¼ miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week... ... | 3,220 | 1,111 0 0 | 15,829 0 | 828 0 0 | 13 0 0 | 1,952 0 0 | 509 | 254 | 763 |
| Per mile of railway ... ... | 118 | 41 0 0 | 581 0 | 30 0 0 | 1 0 0 | 72 0 0 | ..... | ..... | ..... |
| Previous 2 weeks of half-year ... ... ... ... ... | 8,210 | 2,779 0 0 | 39,461 0 | 2,058 0 0 | 39 0 0 | 4,876 0 0 | 1,382 | 1,367 | 2,749 |
| Total for 3 weeks ... | 11,430 | 3,890 0 0 | 55,290 0 | 2,886 0 0 | 52 0 0 | 6,828 0 0 | 1,891 | 1,621 | 3,512 |
| Comparison. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 3,049 | 1,281 0 0 | 20,569 0 | 982 0 0 | 12 0 0 | 2,275 0 0 | 509 | 565 | 1,074 |
| Per mile of railway correspond-ing week of previous year ... | 134 | 47 0 0 | 754 0 | 36 0 0 | ..... | 83 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 12,174 | 4,407 0 0 | 80,978 0 | 3,818 0 0 | 190 0 0 | 8,415 0 0 | 2,036 | 2,008 | 4,044 |

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Nalhati State Railway.*

| Receipts for week ending 28th January 1888. | | | Receipts for week ending 26th January 1889. | | | Total receipts from 1st April 1887 to 28th January 1888. | | | Total receipts from 1st April 1888 to 26th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 27 | 2,275 | 83 | 27¼ | 1,952 | 72 | 27¼ | 74,508 | 65 | 27¼ | 81,840 | 72 | 332 | ..... |

## TIRHOOT STATE RAILWAY.

*Approximate Return of Traffic for the week ending 26th January 1889, on 273 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week on 273 miles open ... ... ... | 38,153 | 13,363 0 0 | 1,40,840 0 | 13,730 0 0 | 3,139 0 0 | 30,232 0 0 | 5,997 | 5,107 | 11,104 |
| Or per mile of railway ... ... | 140 | 49 0 0 | 516 0 | 50 0 0 | 3 0 0 | 102 0 0* | ..... | ..... | ..... |
| For previous 2 weeks of half-year ... ... ... ... ... | 98,073 | 33,909 0 0 | 3,67,643 0 | 33,818 0 0 | 8,351 0 0 | 76,078 0 0 | 14,452 | 14,711 | 29,163 |
| Total for 3 weeks ... | 136,226 | 47,272 0 0 | 5,08,483 0 | 47,548 0 0 | 11,490 0 0 | 1,06,310 0 0 | 20,449 | 19,818 | 40,267 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year on 259 miles open | 56,976 | 27,556 0 0 | 2,17,706 0 | 23,807 0 0 | 3,004 0 0 | 54,367 0 0 | 8,231 | 9,279 | 17,510 |
| Per mile of railway corresponding week of previous year ... | 220 | 107 0 0 | 841 0 | 92 0 0 | 1 0 0 | 200 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 173,272 | 73,264 0 0 | 7,79,728 0 | 83,784 0 0 | 12,196 0 0 | 1,69,244 0 0 | 27,152 | 31,841 | 58,993 |

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

*Note.*—Decrease in passenger traffic due to Maghi Purnamasi mêla having taken place in the corresponding week of the previous year.

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Tirhoot State Railway.*

| Receipts for week ending 28th January 1888. | | | Receipts for week ending 26th January 1889. | | | Total receipts from 1st April 1887 to 28th January 1888. | | | Total receipts from 1st April 1888 to 26th January 1889. | | | Total increase in 1888-89. | Total decrease in 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 259 | 54,367 | 210 | 273 | 30,232 | 111 | 251·24 | 14,40,466 | 137 | 264·49 | 13,37,129 | 120 | ..... | 1,03,346 |

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | Rs. |
|---|---|
| Approximate earnings for week ending 19th January 1889 ... ... | 7,777 |
| Corresponding week last year ... ... ... ... ... | 7,171 |
| Increase ... ... ... ... ... ... | 606 |
| Receipts from 1st to 19th January 1889 ... ... ... ... | 14,964 |
| From 1st to 21st January 1888 ... ... ... ... | 16,451 |
| Decrease ... ... ... ... ... ... | 1,487 |
| | Miles. |
| Miles open week ending 19th January 1889 ... ... ... | 51 |
| Corresponding week last year ... ... ... ... | 51 |
| | Rs. A. P. |
| Receipts per mile open week ending 19th January 1889 ... ... | 152 7 10 |
| Corresponding week last year ... ... ... ... ... | 140 9 7 |
| Increase ... ... ... ... ... ... | 11 14 3 |

Printed and published by Edwin Morris Lewis, at the Printing Office of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, 6th February 1889.

REGISTERED No. 29.

No. 7 of 1889.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, FEBRUARY 13, 1889.

## OFFICIAL PAPERS.

*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupee per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

## CONTENTS.


| | Page |
|---|---|
| SCARCITY in Behar ... ... ... ... ... ... ... | 255 |
| Registration of Vital Statistics of Europeans and East Indians ... ... ... ... ... ... ... ... ... | 287 |
| Feeder road from Haripal to Bunderhatty ... ... ... | 288 |
| Rainfall, Weather, and State and Prospects of the Crops ... | 289 |
| Statement showing the stocks of rice in and around Calcutta | 291 |
| Tables showing the Monthly and Annual Rainfall at 253 Rainfall-recording Stations in Bengal for 1888 ... ... | 292 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 3rd to 9th February 1889 ... | 299 |
| Meteorological Report of the Province of Bengal for the month of January 1889 ... ... ... ... ... | 300 |
| Table of Rainfall recorded at Stations in Bengal in January 1889 ... ... ... ... ... ... ... ... | 302 |
| Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 3rd to 9th February 1889 ... ... ... ... ... ... ... | 311 |
| METEOROLOGICAL Report of the Province of Bengal for the week ending Friday the 8th of February 1889 ... | 312 |
| Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 8th of February 1889 ... ... ... | 314 |
| Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 26th January 1889 ... | 319 |
| South-Western Circle—Orissa Coast Canal System during the month of December 1888 ... ... ... ... ... | 322 |
| South-Western Circle—Nuddea Rivers during the month of December 1888 ... ... ... ... ... ... ... | 323 |
| Areas leased for Irrigation up to the end of December 1888 | 324 |
| South-Western Circle—Calcutta and Eastern Canals during the month of December 1888 ... ... ... ... | 325 |
| Circular and Eastern Canals for the week ending 9th February 1889 ... ... ... ... ... ... ... | 329 |
| East Indian Railway for the month of December 1888 ... | 330 |
| Weekly Return of Traffic Receipts on Indian Railways ... | 332 |


## SCARCITY IN BEHAR.

REVENUE DEPARTMENT—FAMINE.

*Calcutta, the 6th February*, 1889.

RESOLUTION.

READ—

Letter No. 84G.F., dated 24th January, 1889, from the Commissioner of Patna, reporting upon the prospects of the crops and condition of the people in the districts of that Division for the fortnight ending the 15th January, 1889.

THIS report has been prepared since the date on which the Lieutenant-Governor completed his tour through the distressed portion of the Patna Division, and touches on some of the topics discussed on the occasion of that visit. The general result of His Honor's enquiries was to confirm the estimate of the situation made as soon as the result of the winter harvest was known, and reported on the 10th December to the Government of India. Briefly it may be said that the yield of that crop was deficient throughout Behar generally, but the prospects of the *rabi* are at least fair, and the stocks from previous harvests are quite as large as usual. While this resolution was under preparation, the Lieutenant-Governor received reports of good rain, varying from $1\frac{1}{2}$ to $2\frac{1}{2}$ inches, having fallen over the whole of Behar on the last days of January. This may be expected to secure a good *rabi* wherever a spring crop has been sown and to keep prices steady; it will allow of cheena (a millet) being sown, and so adding something to the food-supply in April, and will have also the effect of inducing people to plough their lands at once,

while the most serious symptom noticed by the Lieutenant-Governor, viz., the deficiency of water in the tanks, will to some extent have been remedied. None the less the circumstances are such as to call for watchfulness, for liberality in providing earthwork on roads somewhat in excess of that given in normal years, and for advances under the Land Improvement Act to zemindars willing to construct petty irrigation works, such as those on account of which the Lieutenant-Governor has by orders issued on the 1st instant granted a loan of Rs. 50,000 on the recommendation of the Collector of Gya. Further measures do not seem to be required at present except in a limited area, and it is hoped that the necessity for action involving any very serious expense will not arise. The area referred to as exceptionally situated is a narrow strip, stretching for about 90 miles from east to west along the Nepal frontier, through the northern parts of the districts of Chumparun, Mozufferpore, and Durbhunga, with some extension, not so clearly defined, in Bhagulpore. In the eastern part of this tract, as noticed by the Collector of Durbhunga after a careful enquiry village by village, the area of crop failure is not so continuous as elsewhere, fair and tolerable patches of land being interspersed with those on which the loss was almost complete. The rainfall in the afflicted area was very small, and it ceased prematurely, with the result that the winter rice crop, on which the cultivators mainly depend, was almost all lost, and the *rabi*, which is of no great importance in that neighbourhood, was sown under unfavourable conditions. This, taken with the high prices at present prevalent, has produced among the poorer inhabitants of the area in question a certain amount of distress, very different in degree from that felt during actual famine, but nevertheless quite unmistakeable, and such as to call for relief.

2. This relief has hitherto been afforded mainly in the form of employment on earthwork, which has been provided throughout the distressed area in a great number of places, so that every one desirous of earning a maintenance can get it within easy reach of his or her own home. The wages given are fixed in accordance with the provisions of the Famine Code according to the varying price of common rice, which in that part of the country is the staple food of workmen, the scale being so adjusted that those who accept piece-work can earn the value of a full ration on the scale laid down by the Code, while those who can only perform light work get 75 per cent. of the value of such a ration. Work has to be given to all who seek it without exception, to women and children and those unused to the *khoodali*, as well as to skilled labourers, and payments are made daily under strict supervision. A large number of applications have been received for advances under the Land Improvement and the Agriculturists Loans Acts, and these are, for the most part, under enquiry. A small grant has also been made for charitable relief, with the intention that as long as there is no acute distress, it shall be used only for the support of wanderers, and in other urgent cases. The system adopted may therefore be described as consisting in supplying work for all on the wages prescribed by the Code, and supplementing the relief thus afforded by loans in approved cases after due enquiry, and a sparing resort to charitable assistance. In other words, the system laid down by the Famine Code is being adopted gradually and tentatively in adjustment to the deepening necessities of the situation. The works have been, and in some cases still are, merely test works, intended to lead up, should occasion arise, to the full development of large works conducted by professional agency; to be supplemented by circle establishments (organised at present only on very modest lines) for village enquiry and gratuitous relief. The aim of the Government has been to secure itself from being taken by surprise, and to arrange such an organisation as may easily be developed gradually in strength sufficient to cope with deepening distress.

3. The Lieutenant-Governor was most gratified to observe that these instructions had been observed by the district officers under the direction of the Commissioner; they have shown great zeal, thoroughness and intelligence in this work, which has been carried on with a due sense of their responsibility for preserving life on the one hand, and on the other for observing economy in the expenditure of public money. The statements submitted by Mr. Power, Collector of Chumparun, with this report show a daily average of 5,535 labourers employed in

his district during the fortnight on works carried on at the expense of this Government, 1,937 on private works, and 963 on the works of the District Board,—in all 8,435. Of these, 1,476 are women and 1,304 boys. The Government works in Chumparun, 32 in number, and also those conducted by private agency, take the form of facilitating irrigation, by re-excavating old tanks, and by damming up hill streams, and distributing the water thus collected at a head by means of pynes or channels. The labour for damming the streams was generally obtained simply by calling the villagers together, who worked voluntarily to save their crops by a traditional method. To the energy and intelligence of Mr. Henry, the late Collector, and to the professional skill and supervision of Mr. Sealy, District Engineer, are due the carrying out of these most useful works, but their task was greatly facilitated by the fact that the dams and the channels were all in the property of a single owner, the Maharajah of Bettiah, who gave all possible assistance, and there was none of the friction arising from the existence of numerous shareholders or divided ownership, which has in other districts baffled the endeavours of the local officers to get similar works undertaken. These irrigation channels have done immense good, and their value is thoroughly appreciated by the people. They are also so located as to make the assistance afforded to those wanting employment very complete. In Mozufferpore 927 persons were employed on the roads, at the expense of the District Board, during the first week of the fortnight, and the number during the second week increased to 4,100. The excavation of tanks at Government expense employed 1,902 persons, of whom 718 were women and 288 children. Mr. Bolton, Collector of Mozufferpore, writes that he has refrained from undertaking tank work more extensively, because the entire cost is borne by Provincial funds, while in his opinion the zemindars, who derive the chief gain from works of this class, should contribute a portion of the cost. He proposes in future to offer to excavate tanks if the zemindars pay half the expenses, which the Collector can advance under the Land Improvement Act. This suggestion is approved in principle by the Lieutenant-Governor, who would, however, leave to the discretion of the local officers the condition under which assistance should be demanded from zemindars rather than lay down a hard-and-fast rule such as that proposed. The Commissioner's report does not give the actual number employed during the fortnight on the work in Durbhunga, but from the figures given to the Lieutenant-Governor while on tour, the daily average employed by the District Board on roads in the affected tract appears to have been about 4,000. The Lieutenant-Governor observes with satisfaction that private persons, in particular the Maharajah of Durbhunga, are excavating tanks on their own account. No expense has as yet been incurred by Government, but a list is being made of tanks upon which work can be commenced hereafter, should occasion arise.

4. A large share of the burthen of providing test works and ultimately relief works has fallen on the District Boards, the sums devoted to this purpose during the current year being in Gya, Rs. 13,000; in Mozufferpore, Rs. 6,000; in Chumparun, Rs. 11,000; and in Durbhunga, about Rs. 1,00,000. Much of this is only what the District Boards would in ordinary circumstances have devoted to the repair and raising of the roads in the affected tracts; but in some instances they have forestalled the period for such work, and in others they have specially diverted sums from other parts of the district for relief purposes, and in all cases they have accepted the necessity of regulating their rates and methods of payment in accordance, more or less complete, with the requirements of the Famine Code. In a case like the present, where in no district is distress general, or extended beyond limited tracts, there is a natural tendency on the part of members representing the unaffected area to object to money and establishment being diverted from the usual channels of district expenditure to the special purpose of relief in the distressed area. But in the Lieutenant-Governor's opinion there can be no doubt that the duty of providing relief in the way of work should fall in a gradual scale with the deepening of distress first, on Local, secondly, on Provincial, and thirdly, on Imperial funds. The District Boards are not an organisation altogether outside the Government, but form an integral part of the administration of the country, specially organised

for the proper local expenditure of funds raised by local taxation, and from this point of view it becomes their duty, just as it is that of other departments of Government in time of serious distress or famine, to subordinate the ordinary objects and methods of their expenditure to the special consideration of saving life. This is the general principle, the application of which, however, has to be regulated, both in regard to funds and establishment, as well as in regard to methods, by the intensity of the distress in each particular case. The Lieutenant-Governor does not doubt that, should distress be found to deepen in the early months of the coming financial year, the District Boards will not be unwilling to act on the principle above laid down, and to devote (especially in the case of Mozufferpore) considerably larger sums to the special purpose of providing relief in the affected tracts. The Lieutenant-Governor is prepared, apart from the works which are or may be carried out by their own civil or professional agency, to assist the District Boards with additional establishment, and where, by employing the methods prescribed in the Famine Code, the cost of the work is materially increased beyond what under ordinary conditions it would have amounted to, the Lieutenant-Governor is willing to consider favourably applications for recoupment from Provincial funds.

5. In order to legalise the action which the Boards may take for the relief of distress, the Lieutenant-Governor has consented, at the suggestion of the Commissioner of Patna, to extend section 99 of the Local Self-Government Act of 1885 to that Division.

6. In Chumparun and Mozufferpore all relief work is managed by officers of Government or by the District Board directly, while in Durbhunga the intervention is permitted of gangers, or petty contractors. These men are supposed to make no profit out of the earthwork, being remunerated for their services by the rate given for "finishing," &c., and they are compelled by rule to employ all comers. The Commissioner desired to extend the system prevalent elsewhere to Durbhunga also, as he is not satisfied that the arrangements made in the latter district are such as to ensure that all applicants will really receive work, while the Chairman of the Local Board wished to retain an agency which he was satisfied he could control, and which certainly secured excellent results as far as the quality of the work done is concerned. The Lieutenant-Governor was convinced by the result of local enquiries that all applicants were admitted to the works, and that all who worked were regularly paid, so that the system had acted well up to the date of inspection. Moreover, he was satisfied that owing to the extraordinarily bountiful rice crop of the previous year and to other causes, the people in this sub-division of Madhubani are not as yet so hard pressed as their neighbours to the west, and that for the present at all events it is unnecessary to apply to this tract the full rigidity of the Famine Code. For these reasons, Sir Steuart Bayley is most unwilling to interfere in the details of arrangements made by a Board like that of Durbhunga, which has hitherto borne the whole cost of charitable relief, and is willing to permit the continuance of the system, as a temporary arrangement, as long as no acute distress is felt in Durbhunga, provided a proper agency is appointed to secure that all who seek work obtain it, and that wages are paid regularly. The fact that these objects have been secured up to a certain date, when distress was but little felt, is not, in His Honor's opinion, a sufficient assurance that they will always be attained. As suggested by the Commissioner, the system must be supplemented by the provision of task work, under direct management, for the feeble.

7. The Lieutenant-Governor is glad to receive the Commissioner's statement that grain stocks are everywhere reported to be sufficient, that prices are fairly stationary, and that there is no apparent increase of crime. The Lieutenant-Governor was specially glad to observe that wandering had nowhere commenced, as it does where famine is felt, and the small expenditure on charitable relief denotes the absence of cases of this class. The works now open serve not merely to mitigate immediate distress, but are also a test by which the pressure of the scarcity can be gauged. Should the attendance at these at any time indicate that the resources of the villagers are exhausted, it may be necessary to adopt the more active measures of relief, for which timely preparations have been made, but the Lieutenant-Governor hopes that the

recent rain will have done much to dissipate this danger. The Collector of Durbhunga reports in a demi-official letter that it has already had an excellent effect, and that the people are busy putting down *cheena* and *mung* which they will harvest in Baisakh, and which will help to tide them over to the next bhadoi. Ploughing for the next dhan crop and the preparation of indigo lands are also reported to have begun and to be giving work to the labouring classes.

ORDER.—Ordered, that a copy of this Resolution be submitted for the information of the Government of India, and that a copy be forwarded to the Commissioner of Patna for information and guidance.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

*Secretary to the Government of Bengal.*

---

No. 3909—182Fam., dated Calcutta, the 10th December 1888.

From—P. NOLAN, ESQ., Secretary to the Govt. of Bengal, Revenue Department,
To—The Secretary to the Govt. of India, Revenue and Agricultural Department.

I AM directed to submit, for the information of the Government of India, the following report on the state of the crops in the Lower Provinces, and on the relief measures which have been or will have to be adopted.

2. It is within the knowledge of the Government of India that the rice crop reaped in the autumn season was in many places destroyed or injured by floods in July or August, and that the early cessation of the periodical rains has greatly diminished in many districts the yield of the winter harvest. The effect of the floods was most seriously felt in Orissa, and the attention of this Government was, in the first instance, directed to that division, the condition of which was briefly intimated in the telegraphic summary of the state of the weather and crops on the 21st of March 1888. With the gradual development of the symptoms of distress, periodical reports have been duly submitted for the information of the Government of India in the correspondence marginally noted.

No. 2633—99Fam., dated 9th August 1888.
No. 3066—119Fam., dated 10th September 1888.
No. 125T—R, dated 29th September 1888.
No. 292T—R, dated 7th November 1888.

It was at one time anticipated that the damage done to the autumn rice would almost certainly be followed by the loss of the winter crop on the unirrigated tracts, but this result has been averted by an unexpected and most opportune fall of rain in November, varying from 0·43 to 7·66 inches. The Lieutenant-Governor having, during his recent tour through all the districts of Orissa, had the means of making personal observations, as well as of consulting the local officials and experienced residents, is happy to be able to state that there is now no reason for serious apprehension in regard to that division. This statement does not extend to the Tributary Mehals, as to which the information received is imperfect, owing to the absence of communications, and the difficulty of ascertaining with precision the real facts in States administered by Chiefs possessing a considerable degree of independence. All that can be said in regard to these States is that there is no reason to expect any distress which will be beyond the resources of the Chiefs themselves. The expenditure sanctioned on account of relief in Orissa up to date is as follows :—

| | Rs. |
|---|---|
| Road works ... ... ... ... ... | 28,372 |
| Charitable relief ... ... ... ... | 15,000 |
| Total ... | 43,372 |

The sum of Rs. 90,000 was also assigned for loans under the Agriculturists Loans Act, 1884. It is believed that the outlay will be kept within these limits.

3. In Bengal Proper there has never been any anxiety as to the Eastern districts, the question in their case being only as to the amount of surplus food available for exportation. This will be considerable in the Chittagong Division. The autumn and winter harvests in the Western districts have been bad, and they cannot be said to be altogether out of danger, but there is no immediate prospect of their requiring relief.

4. Anxiety is now concentrated on Behar, which, for the present purpose, may be taken to include the Patna Division, with the adjoining district of Bhagulpore, having a total population of 17,030,102 souls. Intimation of the condition of this part of the country was

conveyed to the Government of India in the telegraphic summary of weather and crops for the week ending 23rd October 1888, and in subsequent summaries, while a copy of the correspondence on the subject has recently been forwarded to the Government of India with my letter No. 3682—156Fam., dated the 20th November 1888.

The following statement indicates the extent to which the rainfall has been deficient—

| District. | Rainfall from January to November. | | | Rainfall of critical months, September and October. | | |
|---|---|---|---|---|---|---|
| | Normal. | 1873 (last year of scarcity). | 1888. | Normal. | 1873. | 1888. |
| | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. |
| Patna ... ... ... | 42·59 | 34·08 | 47·63 | 10·16 | 1·37 | 5·24 |
| Gya ... ... ... | 42·38 | 37·59 | 50·70 | 9·41 | 2·69 | 6·50 |
| Shahabad ... ... ... | 41·82 | 32·89 | 43·23 | 10·58 | 2·43 | 8·31 |
| Mozufferpore ... ... | 44·18 | 33·50 | 42·01 | 11·28 | 2·52 | 3·73 |
| Durbhunga ... ... ... | 46·91 | 27·35 | 41·64 | 11·85 | 3·87 | 5·36 |
| Sarun ... ... ... | 43·73 | 33·57 | 39·01 | 11·58 | 1·12 | 8·25 |
| Chumparun ... ... ... | 49·55 | 36·85 | 43·26 | 12·47 | 0·51 | 7·62 |
| Bhagulpore ... ... ... | 49·34 | 31·56 | 50·82 | 12·71 | 4·60 | 7·27 |
| Average ... ... ... | 45·06 | 33·42 | 44·80 | 11·25 | 2·39 | 6·53 |

The price of common rice, which is the readiest index to the cost of supporting life in Behar, is given below :—

| District. | Second fortnight of November 1888. Seers per rupee. | Corresponding fortnight, 1887. Seers per rupee. | Corresponding fortnight, 1873. Seers per rupee. |
|---|---|---|---|
| Patna ... ... ... | 16·5 | 23 | 14 |
| Gya ... ... ... | 14 | 17 | 10·5 |
| Shahabad ... ... ... | 14·8 | 16 | 13 |
| Mozufferpore ... ... ... | 14 | 24 | 12 |
| Durbhunga ... ... ... | 16·4 | 22 | 12 |
| Sarun ... ... ... | 12 | 21 | 12 |
| Chumparun ... ... ... | 17 | 17 | 13 |
| Bhagulpore ... ... ... | 15·12 | 19 | 12·6 |

The following table has been supplied by the Commissioner to show the estimated outturn of crops :—

| District. | Sub-division or tract. | Outturn, actual or estimated in annas of a rupee. | | | | Comparative importance in annas of a rupee. | | |
|---|---|---|---|---|---|---|---|---|
| | | 1888. | | | 1889, Rubbee. | Rubbee. | Bhadoi. | Aghani. |
| | | Rubbee. | Bhadoi. | Aghani. | | | | |
| Chumparun ... | All the rest (a) ... ... ... ... | ..... | 12 | 9 | ..... | 3 | 8 | 5 |
| | Dhaka Thana (a) ... ... ... | ..... | 4 | 3 | ..... | 3 | 8 | 5 |
| Mozufferpore ... | Sitamarhi ... ... ... ... | 8¼ | 10 | 4 | ..... | 4½ | 2½ | 8½ |
| | Sadar ... ... ... ... | 8 | 10 | 8 | ..... | 4½ | 4½ | 6½ |
| | Hajipur ... ... ... ... | 6 | 8 | 8 | ..... | 5½ | 4 | 6½ |
| Durbhunga ... ... | Madhubani ... ... ... ... | ..... | 10 | 5 | 2 | 1½ | 3 | 11½ |
| | Sadar ... ... ... ... | ..... | 10 | 6 | 2 | 3 | 4½ | 8½ |
| | Tajpur ... ... ... ... | 16 | 10 | 10 | 5 | 7 | 5½ | 5½ |
| Sarun ... ... | Gopalganj (a) ... ... ... ... | 12 | 14 | 9 | 8 | 6 | 6 | 4 |
| | Sewan (a) ... ... ... ... | 18 | 14 | 8 | 7 | 6 | 6 | 4 |
| | Sadar (a) ... ... ... ... | 13 | 7 | 8 | 5 | | | |
| Patna ... ... | Danapur ... ... ... ... | 6 | 2 | 6 | ..... | 5 | 2 | 8 |
| | Sadar ... ... ... ... | 12 | 2 | 3 | ..... | 7 | 1 | 6 |
| | Barh ... ... ... ... | 8 | 1 | 2 | ..... | 7½ | 2½ | 11 |
| | Behar ... ... ... ... | 8 | 2 | 3 | ..... | 4 | 1 | |
| Gya ... ... | Sadar (b) ... ... ... ... | 11 | 6 | 8 | ..... | 3½ | 1½ | 11½ |
| | Jahanabad (b) ... ... ... ... | 11 | 6 | 8 | ..... | 3 | 1 | 12½ |
| | Nawada (b) ... ... ... ... | 11 | 6 | 8 | ..... | 2½ | 1¼ | 8½ |
| | Aurungabad (b) ... ... ... | 11 | 6 | 8 | ..... | 7 | | |
| Shahabad ... ... | Sasaram (a) ... ... ... ... | 8 | 16 | 4 | ..... | 5 | 2 | 9 |
| | Bhabua (a) ... ... ... ... | 12 | 2 | 4 | ..... | 5 | 2 | 9 |
| | Buxar (a) ... ... ... ... | 12 | 9 | 8 | ..... | 5 | 2 | 9 |
| | Sadar (a) ... ... ... ... | 12 | 2 | 8 | ..... | 5 | 2 | 9 |

(a) The District Officer has not given separate figures for the comparative importance of the several harvests in the different parts of his district.

(b) The District Officer has not given separate figures for the outturn in the different parts of his district.